

SERVICE MANUAL

Model

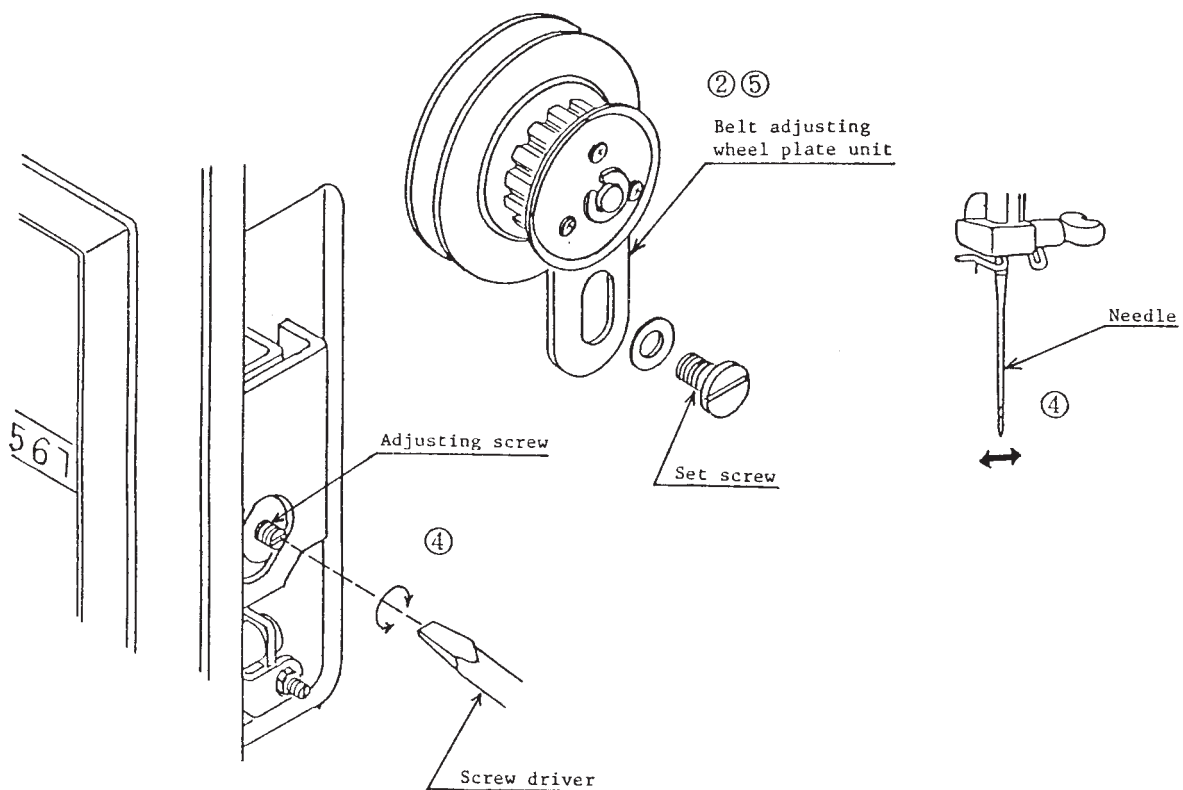
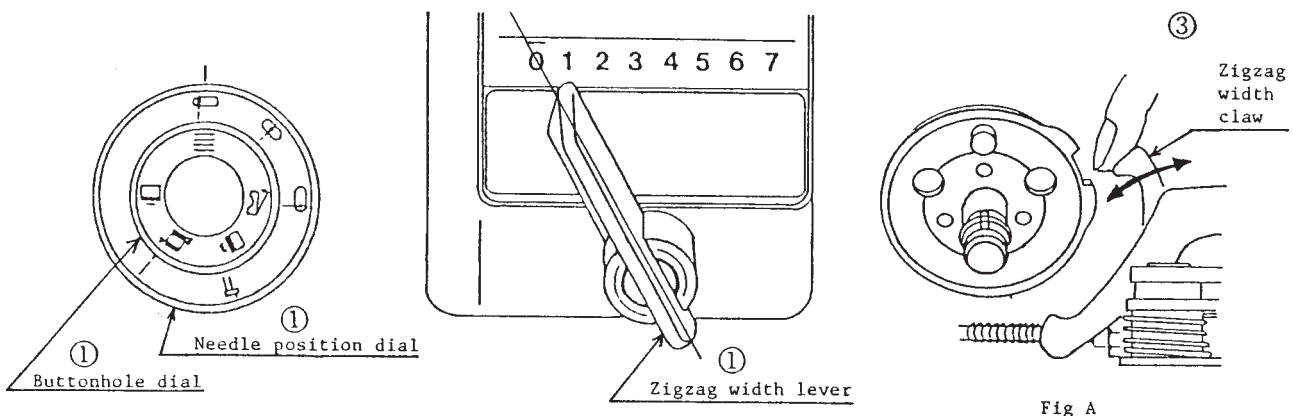
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TO CORRECT STAGGERED STRAIGHT STITCH

If the zigzag movement still remains in straight stitching by setting the zigzag width regulator lever at "0", make an adjustment as follows;

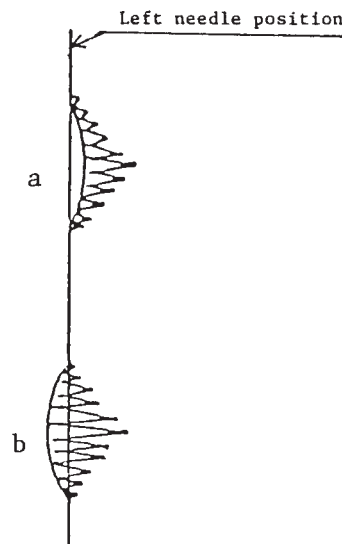
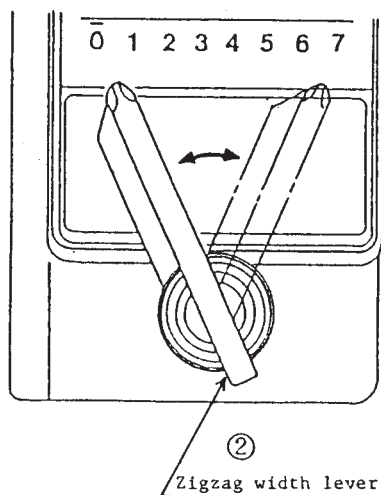
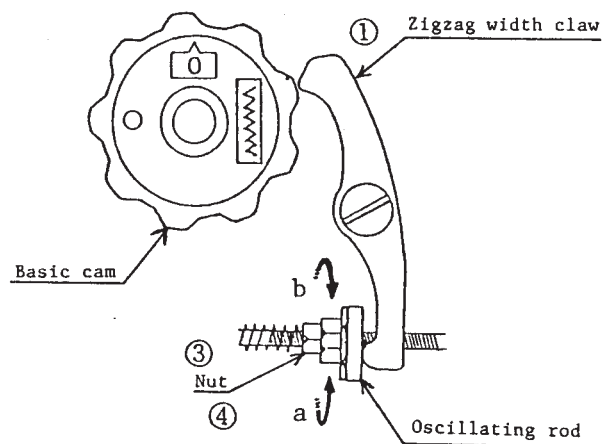
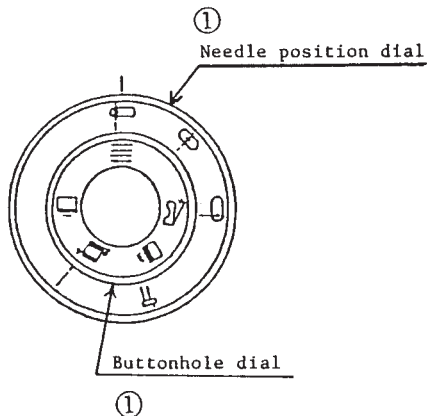
1. Take out the basic cam.
Set the buttonhole dial at "≡", the needle position dial at "0",
the zigzag width regulator lever at "0".
2. Detach the belt cover and the belt adjusting wheel plate unit.
3. Move the zigzag width claw in the direction of the arrow about 3 mm on
both sides as illustrated in the figure A.
4. Adjust the set screw until zigzag movement disappears.
5. Fix the belt adjusting wheel plate unit (See page 31) and make sure
the motor belt tension is correct.



ADJUSTMENT OF UNEVEN ZIGZAG STITCH AT LEFT NEEDLE POSITION AND RIGHT NEEDLE POSITION (1/2)

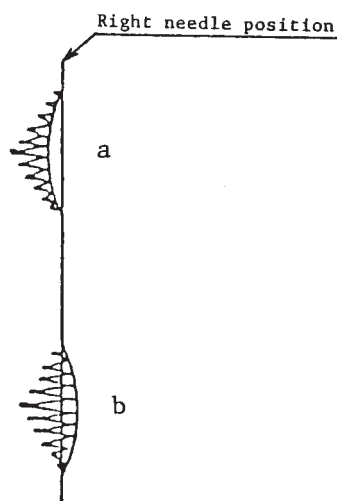
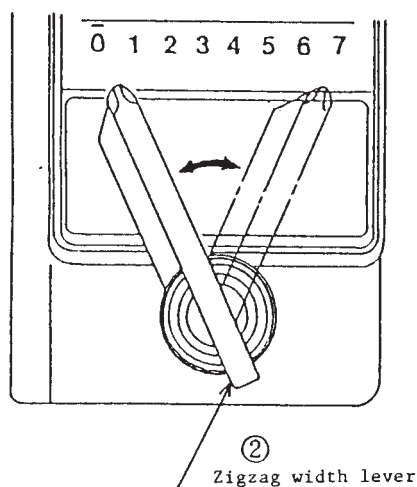
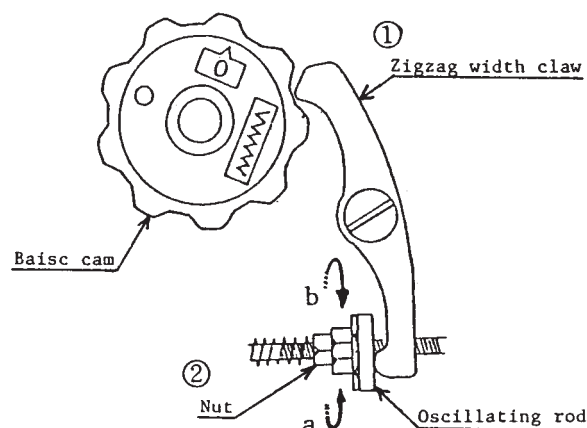
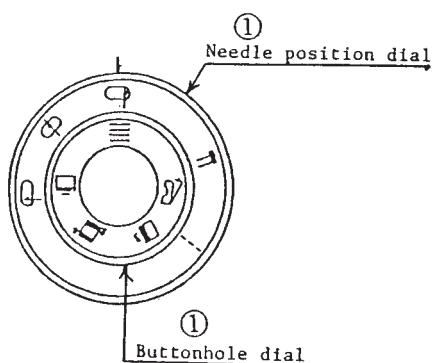
Manual patterns are sewn with needle position at either "0" or "9". If the stitches at the respective needle position appear to be irregular, make an adjustment as follows;

1. Set the buttonhole dial at "III" and the needle position dial at "0". Turn the balance wheel toward you until needle just reaches the lowest point with "0" needle position when the zigzag width claw is set at the middle of convex of the basic cam.
2. Move the zigzag width lever "0" to "7" to see which direction needle staggers in.
3. Loosen the nut (6 mm), with 6 mm and 9 mm spanners. Turn the nut.
 - a) When needle staggers to the inner direction, turn the nut anti-clockwise (in the direction of A).
 - b) When needle staggers to the outer direction, turn the nut clockwise (in the direction of B).
4. Make sure that the point of needle swings outside 0.15 mm on both needle positions respectively. Tighten the nut with 6 mm and 9 mm spanners.



ADJUSTMENT OF UNEVEN ZIGZAG STITCH AT RIGHT NEEDLE POSITION (2/2)

1. Set the buttonhole dial at "III" and the needle position dial at "Q". Turn the balance wheel toward you until the needle just reaches the lowest point with "Q" needle position. When the zigzag width claw is set at the middle of the dent of the basic cam.
2. Move the zigzag width lever "0" to "7" to see which direction the needle staggers in.
Loosen the nut (6 mm) with 6 mm and 9 mm spanners
 - a) When the needle staggers to the inner direction, turn the nut anti-clockwise.
 - b) When the needle staggers to the outer direction, turn the nut clockwise.
3. Make sure that the point of needle swings outside 0.15 mm on both needle positions respectively.



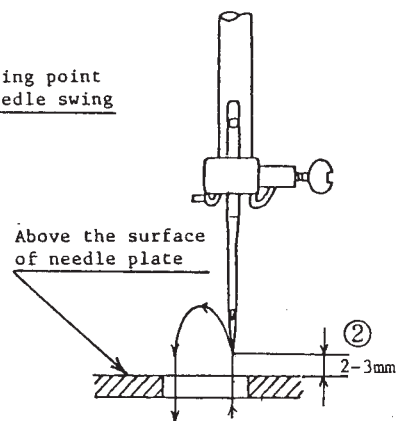
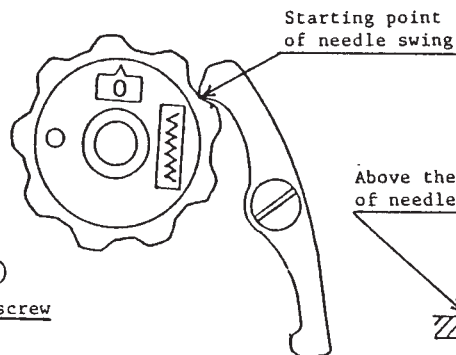
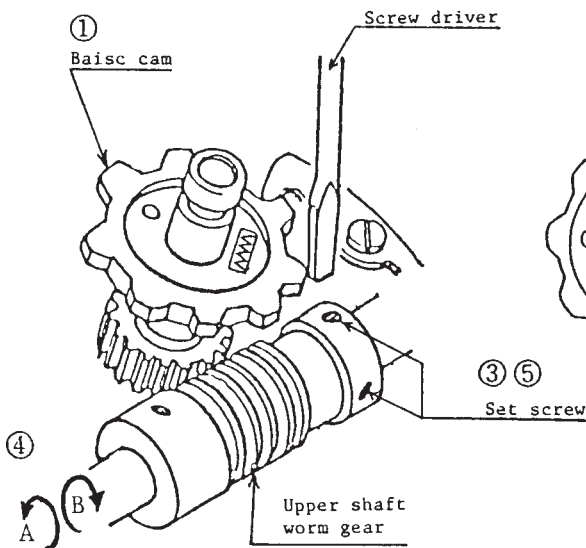
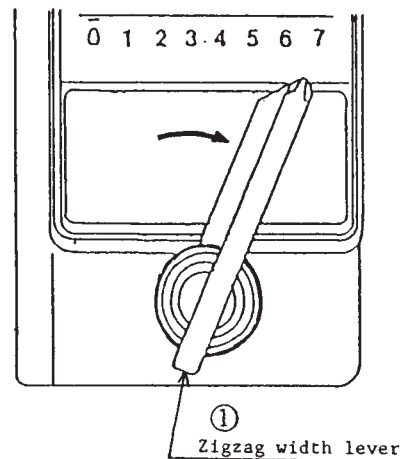
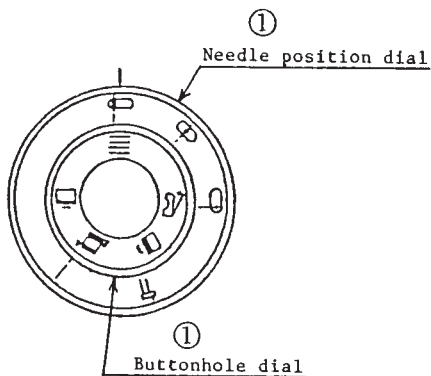
ADJUSTMENT OF TIMING OF NEEDLE SWING

The rise and fall movement of needle between the lowest position and the upper surface of the needle plate should be perpendicular to the upper surface of the needle plate.

If the needle bar is not timed correctly for zigzag stitching, the needle will move sidewise while it is in the fabric.

It is ideal that the needle's right outflow starts from the position 2-3 mm above the needle plate.

1. Insert the basic cam and the buttonhole dial at "III", the needle position dial at "0" and the zigzag width lever at "7".
2. Turn the balance wheel toward you and see if the needle starts swinging about 2 to 3 mm above the needle plate in its right upward stroke.
3. Loosen the two set screws of the worm gear.
4. Hold the upper shaft worm gear with a screw driver in place and turn the balance wheel slightly.
 - a) When the needle starts swinging too early, turn the balance wheel in the direction of "A"(anti-clockwise).
 - b) When the needle starts swinging too late, turn the balance wheel in the direction of "B"(clockwise).
5. Tighten the two set screws of the upper shaft worm gear.



ADJUSTMENT OF HEIGHT OF NEEDLE BAR

Turn the balance wheel toward you until the needle bar comes to the lowest point of its travel. Then again turn the balance wheel toward you until the tip of the rotary hook meets the left side of needle.

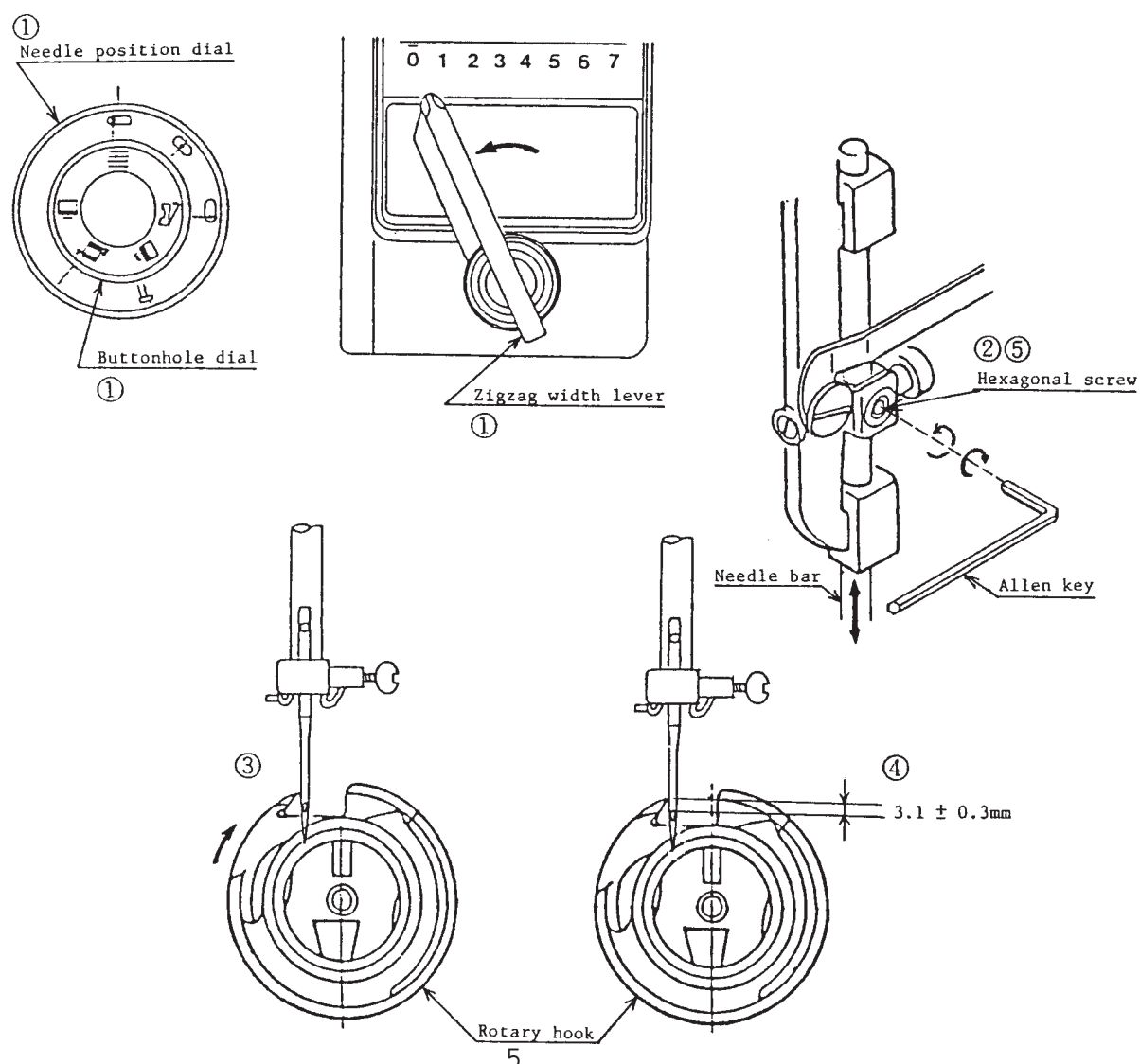
Distance between the upper edge of needle eye and the tip of the rotary hook should be 2.8 mm to 3.4 mm.

If not, make an adjustment as follows;

1. Set the buttonhole dial at "III", the needle position dial at "0" and the zigzag width lever at "0".
2. Turn the balance wheel toward you until the needle bar comes to the lowest point of its travel.
Then loosen the hexagonal socket screw with a hexagonal wrench.
3. Turn the balance wheel toward you until the tip of the rotary hook comes to the left side of needle.
4. Move the needle bar upward and downward to adjust height of the needle bar 2.8 mm to 3.4 mm.
5. Tighten the hexagonal set screw firmly.

Note: The balance wheel must be turned toward you.

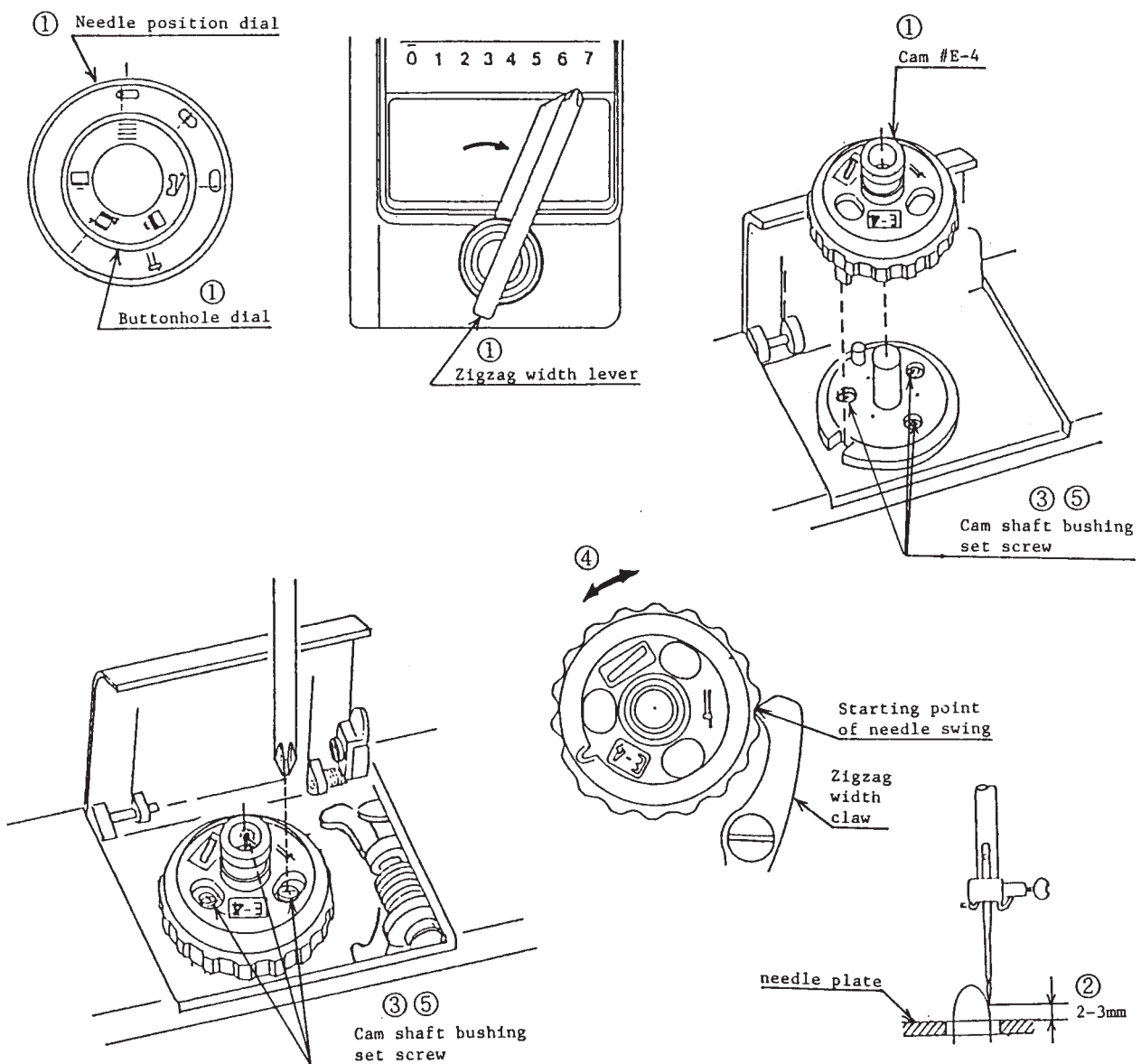
Make sure that the needle bar is not rotated around its axis during the adjustment.



ADJUSTMENT OF NEEDLE SWING FOR PATTERNS E-1 THROUGH 4

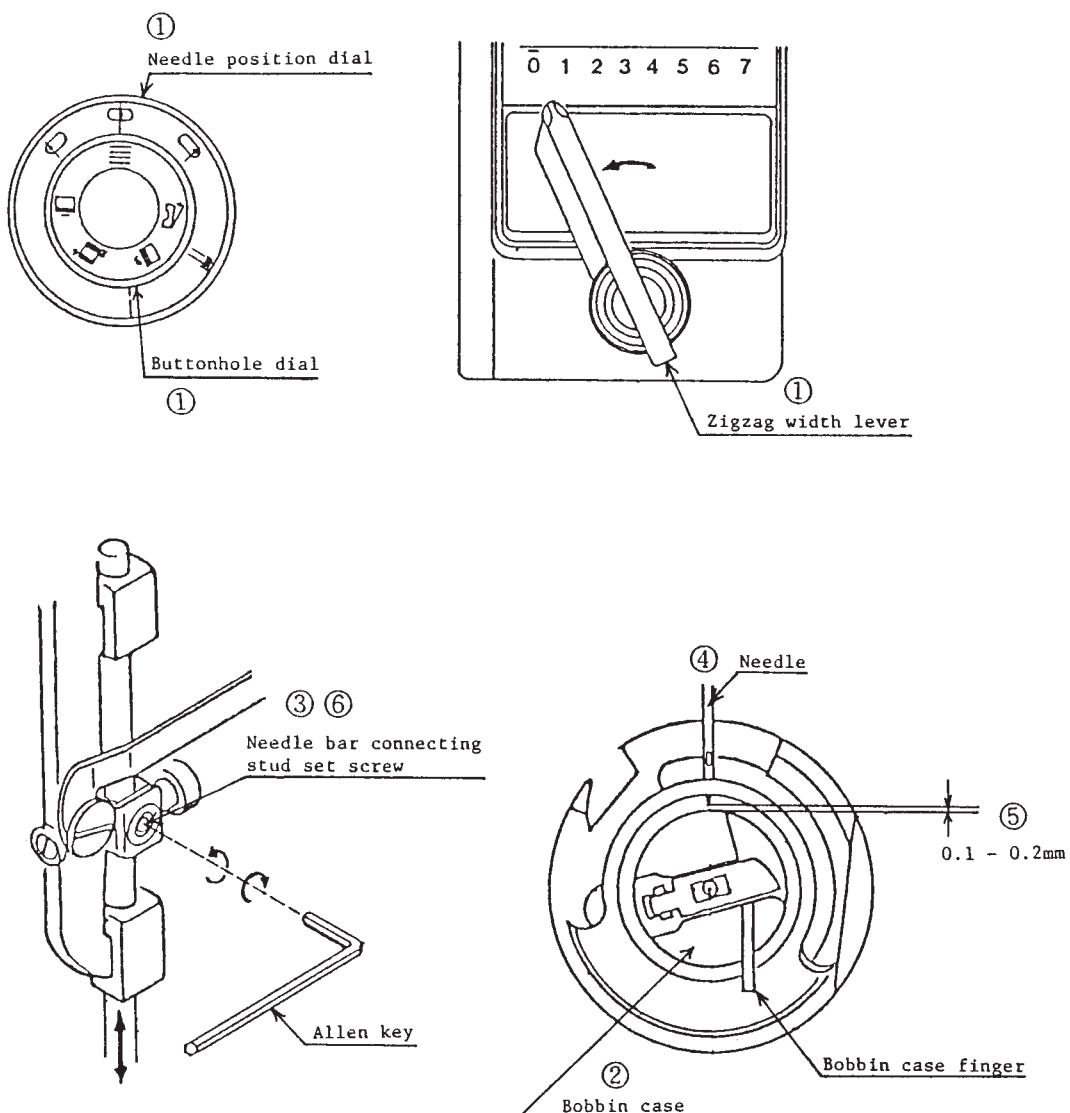
Before make this adjustment, make sure the zigzag needle swing is correctly adjusted.

1. Insert the cam #E-4.
Set the buttonhole dial at "≡", the needle position dial at "0" and the zigzag width lever at "7".
2. Turn the balance wheel toward you and check the needle starts swinging about 2-3mm above the needle plate in its right upward stroke.
3. If it is incorrect, loosen the cam shaft bushing set screws.
4. If needle starts swinging too soon (less than 2mm above the needle plate), turn the cam #E-4 anti-clockwise slightly.
If needle starts swinging too late (more than 3mm above the needle plate), turn the cam #E-4 clockwise slightly.
5. Tighten the cam shaft bushing set screws after adjustment.



INSTANT ADJUSTMENT OF HEIGHT OF NEEDLE BAR

1. Set the buttonhole dial at "III", the needle position dial at "Φ" and the zigzag width lever at "0".
2. Insert the bobbin case with bobbin case finger down as illustrated in the figure.
3. Loosen the hexagonal socket screw.
4. Turn the balance wheel toward you until the needle bar comes to the lowest point of its travel.
5. At the lowest point, clearance between the needle and the bobbin case should be 0.1 to 0.2 mm.
6. Tighten the hexagonal socket screw.

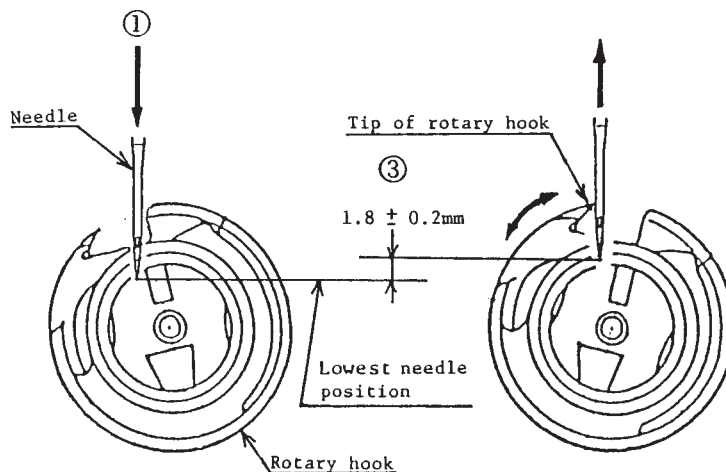
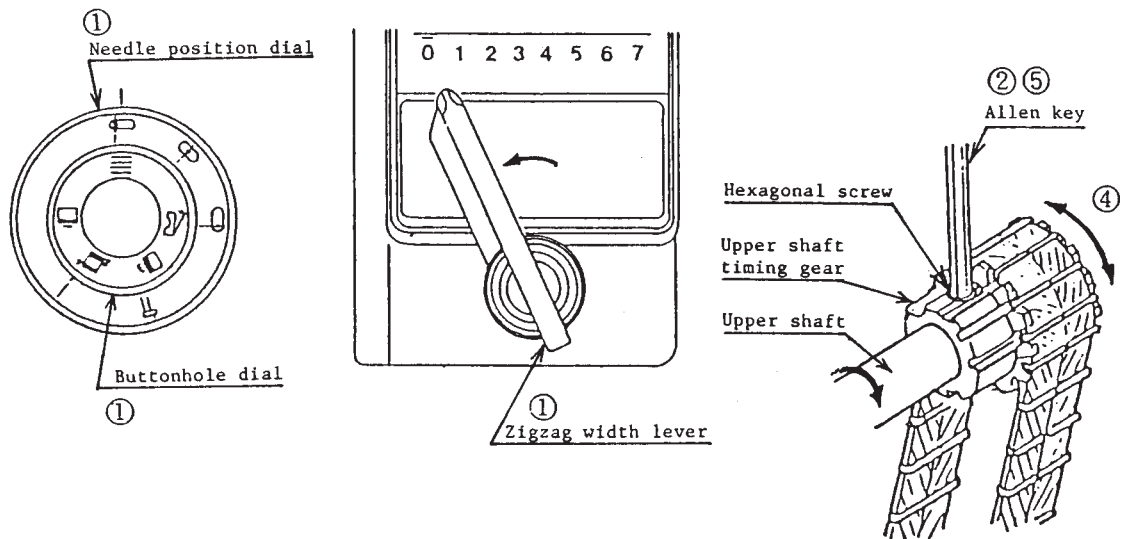


ADJUSTMENT OF HOOK TIMING

Set the zigzag width lever at "0" and the needle position dial at "0". Then turn the balance wheel toward you until the needle bar comes to the lowest point of its travel. Then again, turn the balance wheel until tip of rotary hook meets the left side of needle.

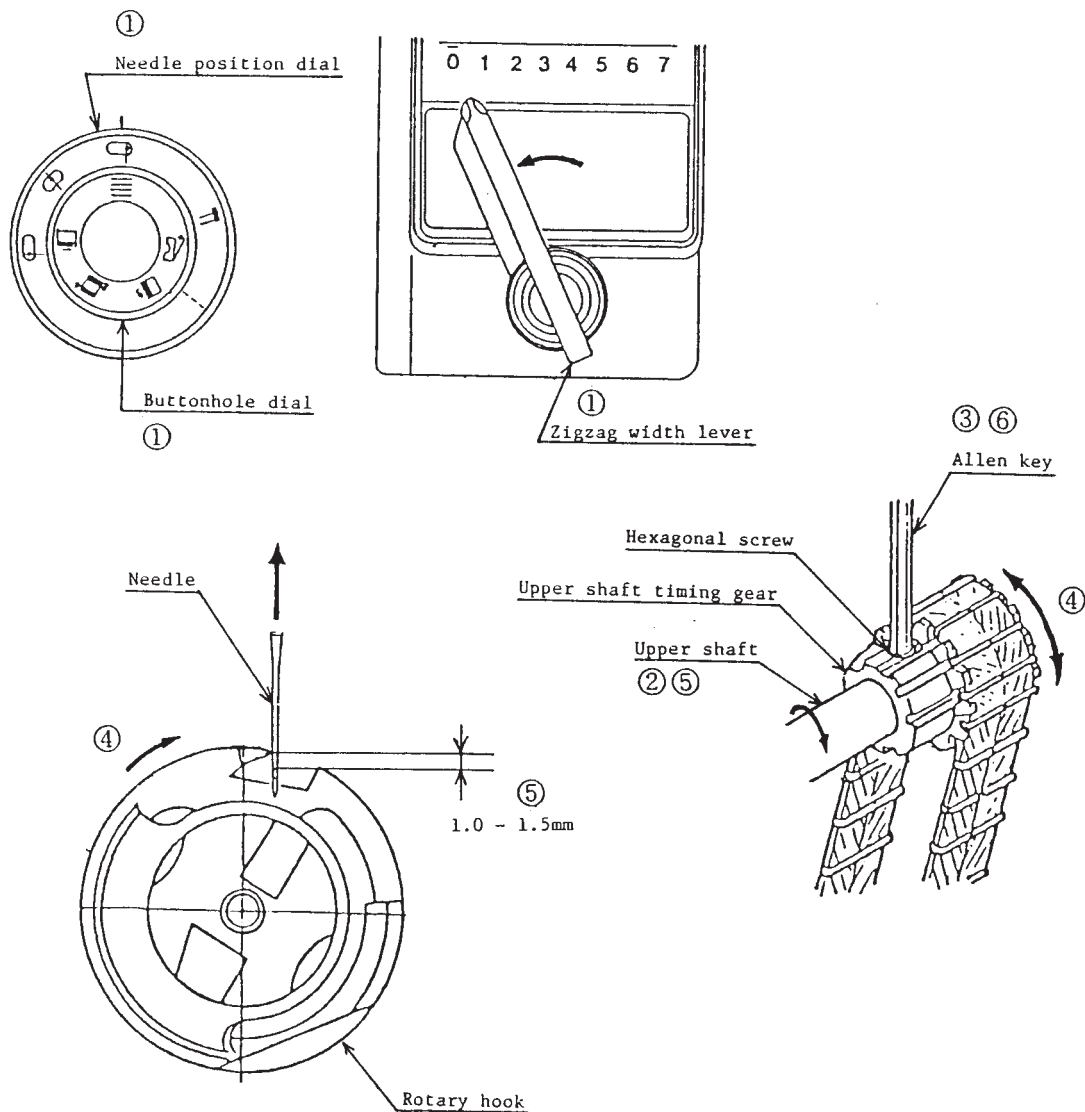
The height of needle point from the lowest position of its travel should be 1.6 mm to 2.0 mm. If not, make an adjustment as follows:

1. Set the zigzag width lever at "0", the needle position dial at "0". Turn the balance wheel toward you until the needle bar comes to the lowest position of its travel.
2. Loosen hexagonal socket screws.
3. While holding upper shaft timing gear with a screw driver, turn the balance wheel toward you until the height of needle point comes to 1.6 mm to 2.0 mm.
4. Holding the upper shaft with your hand, rotate the upper shaft timing gear until the tip of rotary hook comes to the left side of needle.
5. Tighten the hexagonal socket screws firmly after adjustment.



INSTANT ADJUSTMENT OF HOOK TIMING

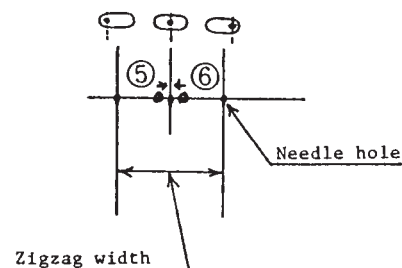
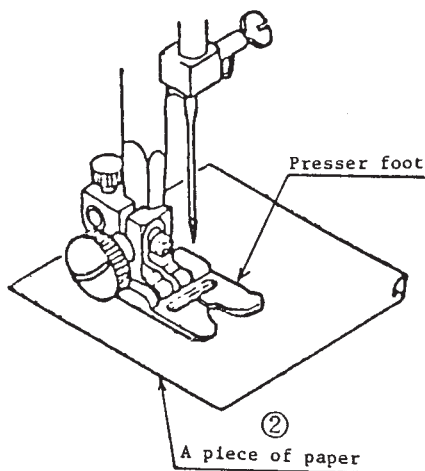
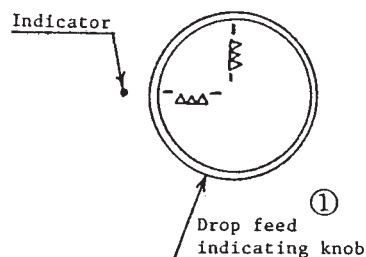
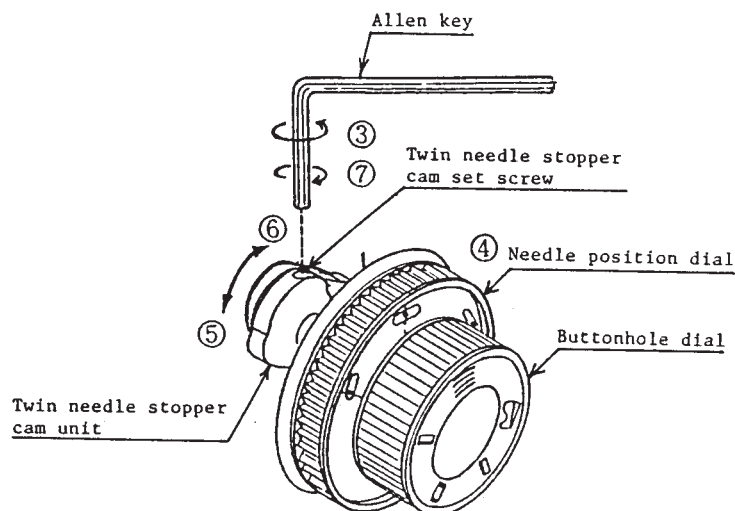
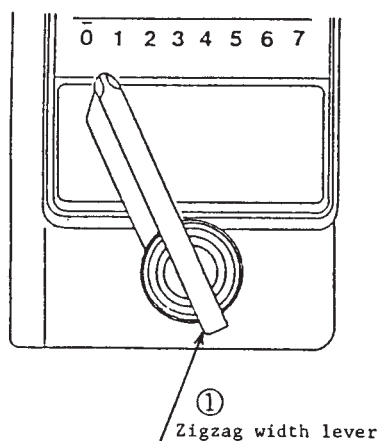
1. Set the zigzag width lever at "0", the needle position dial at "Φ" and the buttonhole dial at "≡".
2. Turn the balance wheel toward you until the needle bar comes to the lowest position of its travel.
3. Loosen hexagonal socket screws.
4. Turn the upper shaft timing gear until the tip of the rotary hook comes to the left side of the needle.
5. While holding the upper shaft timing gear set screw, turn the balance wheel toward you until the needle comes to 1.0 mm to 1.5 mm above the upper edge of needle eye as illustrated in the figure.
6. Tighten hexagonal socket screws.



ADJUSTMENT OF "Φ" NEEDLE POSITION

If the needle does not point in the center of the needle hole when you set zigzag width lever at "0", the buttonhole dial at "≡", adjust "Φ" needle position as follows:

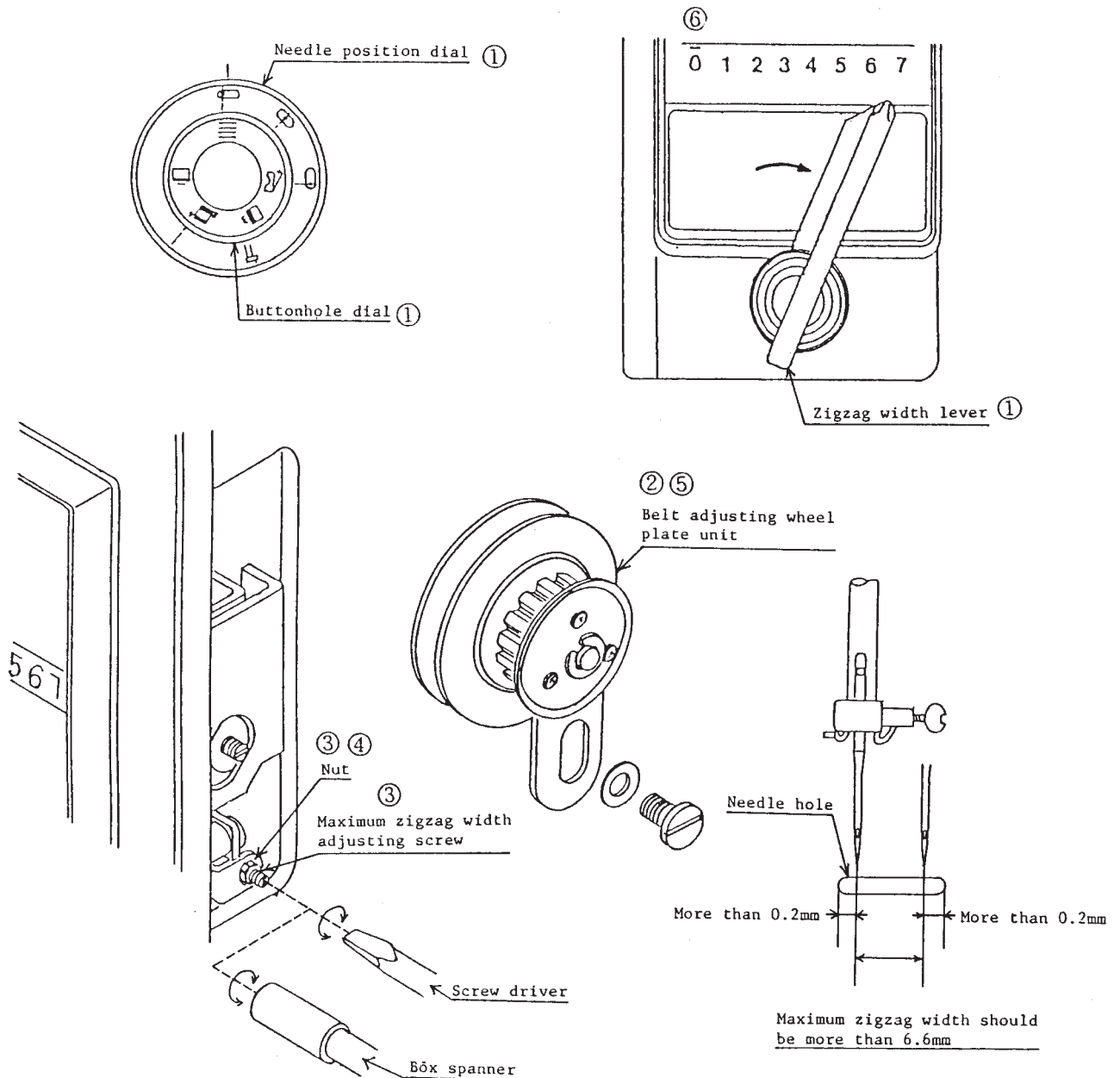
1. Set the zigzag width lever at "0" and the drop feed dial at "-▲▲-".
2. Place a piece of paper on the needle plate.
3. Loosen the twin needle stopper cam (needle position cam) set screw.
4. While turning the needle position dial at "Φ", "Φ", "Φ", turn the balance wheel toward you to check marks of each needle position on the paper.
5. If "Φ" needle position is slightly lefter as illustrated in the figure, shift the twin needle stopper cam unit to the left.
6. If "Φ" needle position is slightly righter as illustrated in the figure, shift the twin needle stopper cam unit to the right.
7. Tighten the set screw.



ADJUSTMENT OF MAXIMUM ZIGZAG WIDTH

Maximum zigzag width adjustment should be more than 6.6 mm above the needle plate. Clearance between edge of the needle plate hole and each of "0" and "7" needle positions should be more than 0.2 mm as illustrated in the figure.

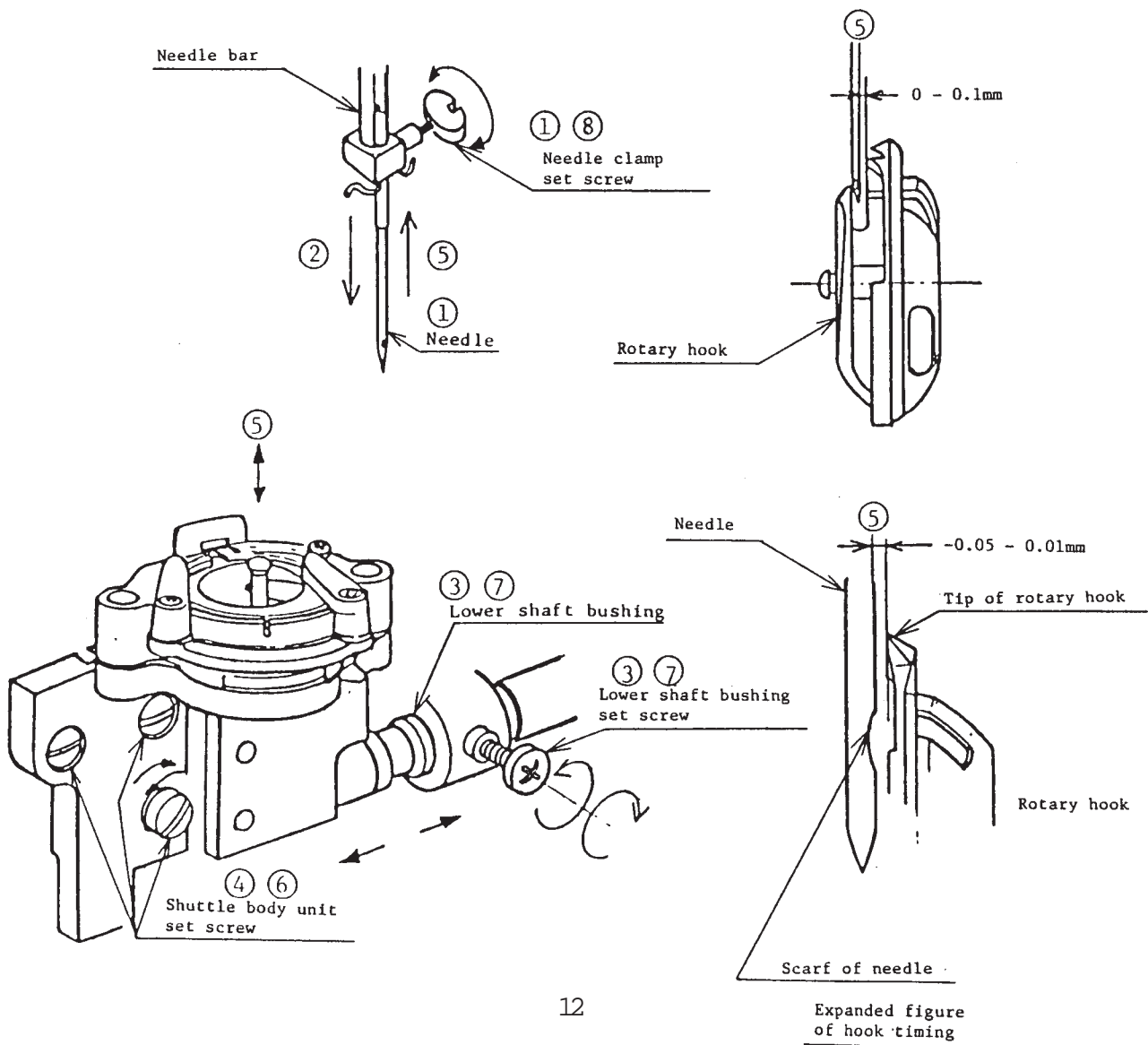
1. Set the needle position dial at "0", the buttonhole dial at "III" and the zigzag width lever at "7".
2. Detach the belt cover and the belt adjusting wheel plate unit.
3. Loosen the nut with a box driver, and turn the screw to adjust the maximum zigzag width.
4. Tighten the nut after adjustment.
5. Fix the belt adjusting wheel plate unit and the belt cover.
6. Make sure the zigzag width lever is adjusted at "0" position of the stitch length indicator panel.



ADJUSTMENT OF CLEARANCE BETWEEN NEEDLE AND ROTARY HOOK

Clearance between the needle and the rotary hook should be 0 to 0.1 mm.
If not, make an adjustment as follows:

1. Make sure the needle is not bent (If bent, use new one.).
2. Take out the bobbin case unit and loosen the needle clamp set screw to pull needle down about 2 to 3 mm, then tighten set screw.
Turn the balance wheel toward you until the needle comes to its lowest point.
3. Loosen the lower shaft bushing set screw and shift the lower shaft gear to the right side slightly. Take out shuttle race ring unit.
4. Loosen set screw of the shuttle body unit.
5. Move the hook race unit and adjust clearance between the needle and the hook at "O", "O", "O" needle position.
6. Tighten the set screws of hook race unit.
7. Adjust backlash between the hook shaft gear and the lower shaft gear. Tighten the lower shaft bushing set screw.
8. Loosen the needle clamp set screw to insert the needle as normal.

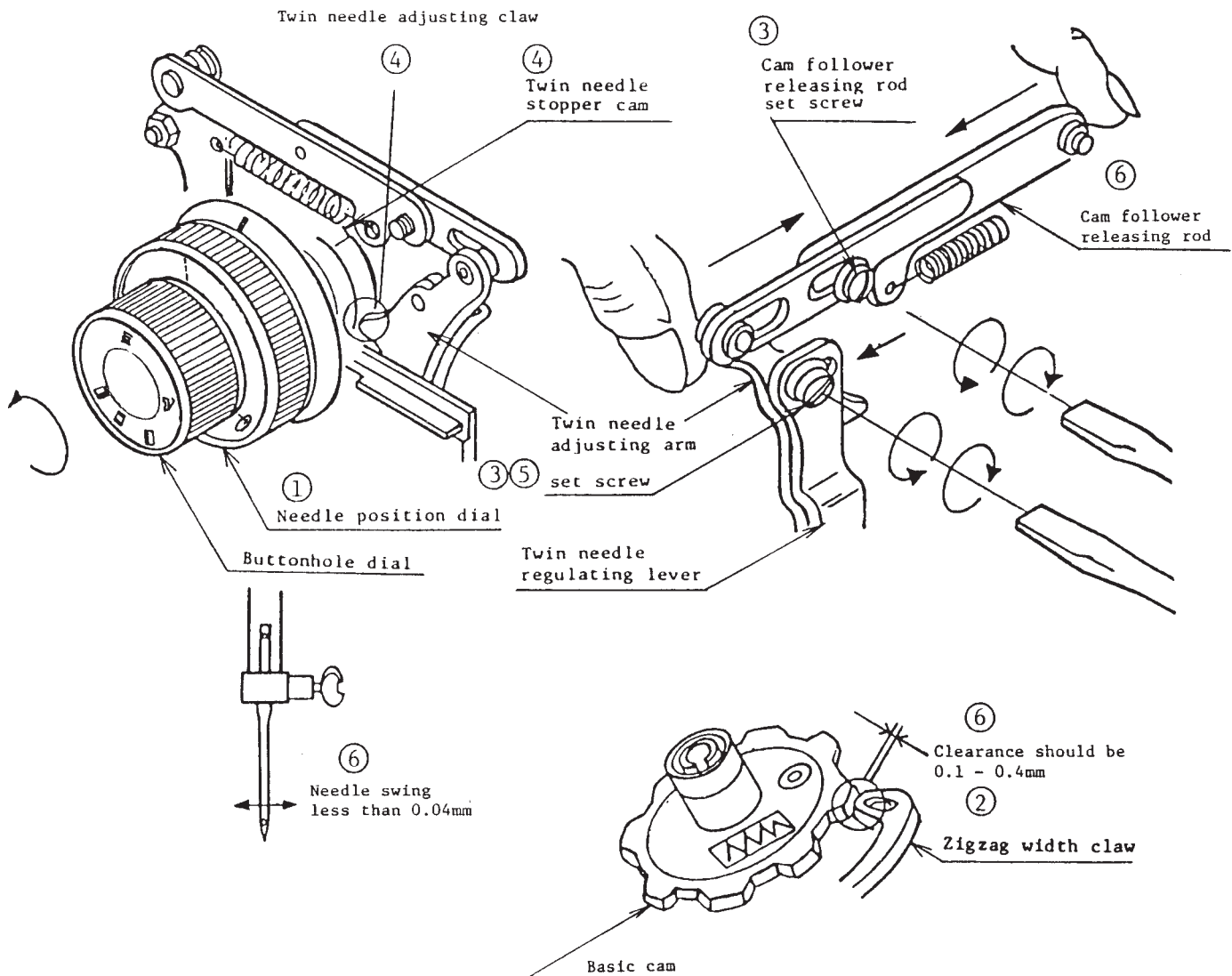


ADJUSTMENT OF STRAIGHT NEEDLE POSITION

When you set the needle position dial at " | ", the needle bar comes to center needle position, the zigzag width lever moves back to "0" and the straight stitch needle plate is closed automatically.

If not, make following adjustments.

1. Set the needle position dial at " | ".
2. Set the zigzag width claw at the middle of the convex of the zigzag cam.
(Mark on the zigzag cam No.0)
3. Loosen the claw releasing rod set screw, the twin needle adjusting claw set screw.
4. Set the tip of the twin needle adjusting claw to touch the twin needle stopper cam. In this condition, push the needle hole adjusting plate to the direction of arrow.
5. Tighten the twin needle adjusting claw set screw.
6. Adjust the claw releasing rod to make clearance between zigzag width claw and the zigzag width cam should be 0.1 to 0.4 mm

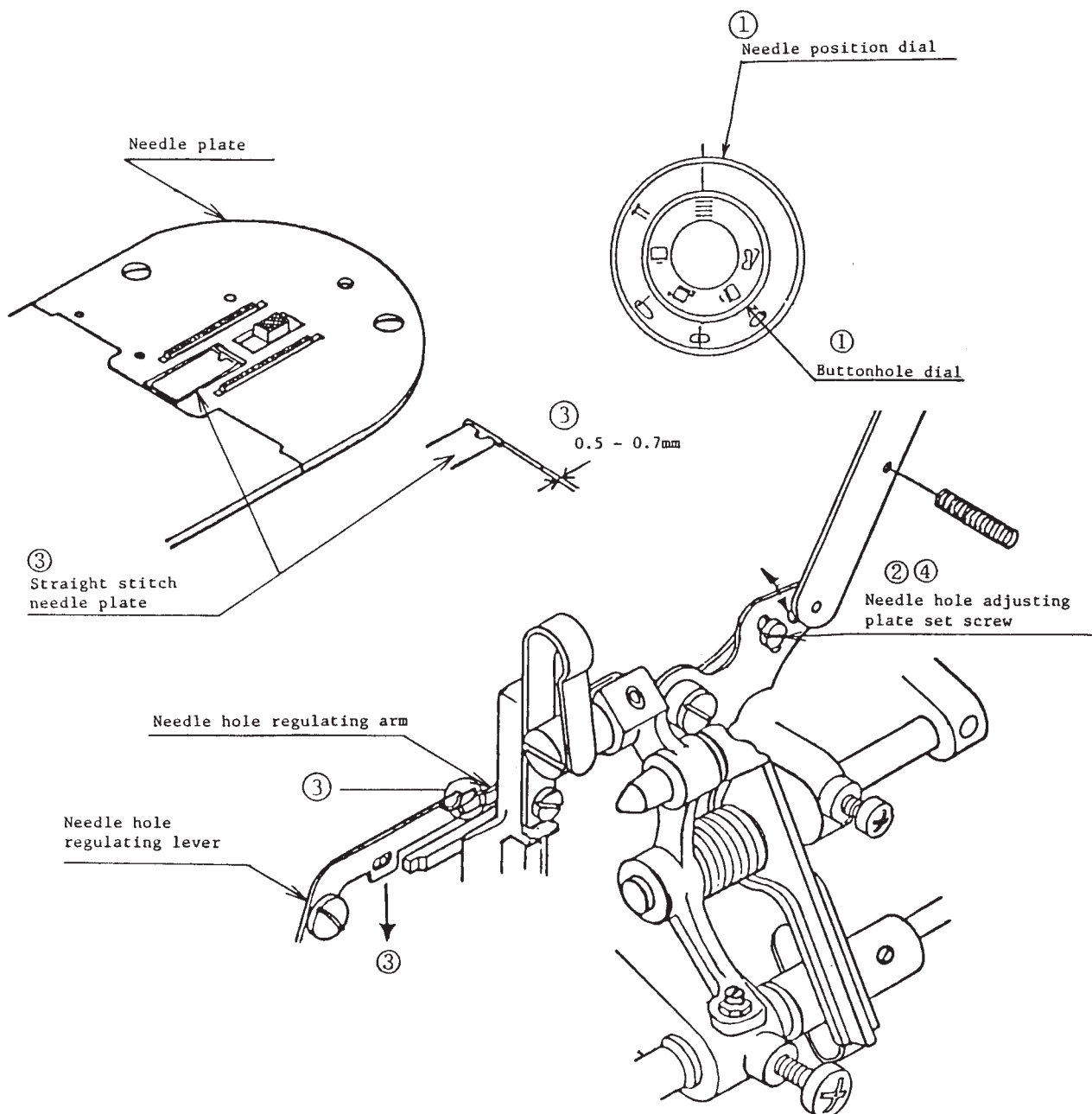


ADJUSTMENT OF STRAIGHT NEEDLE PLATE

The clearance between the straight stitch needle plate and the needle hole should be 0.5 to 0.7mm.

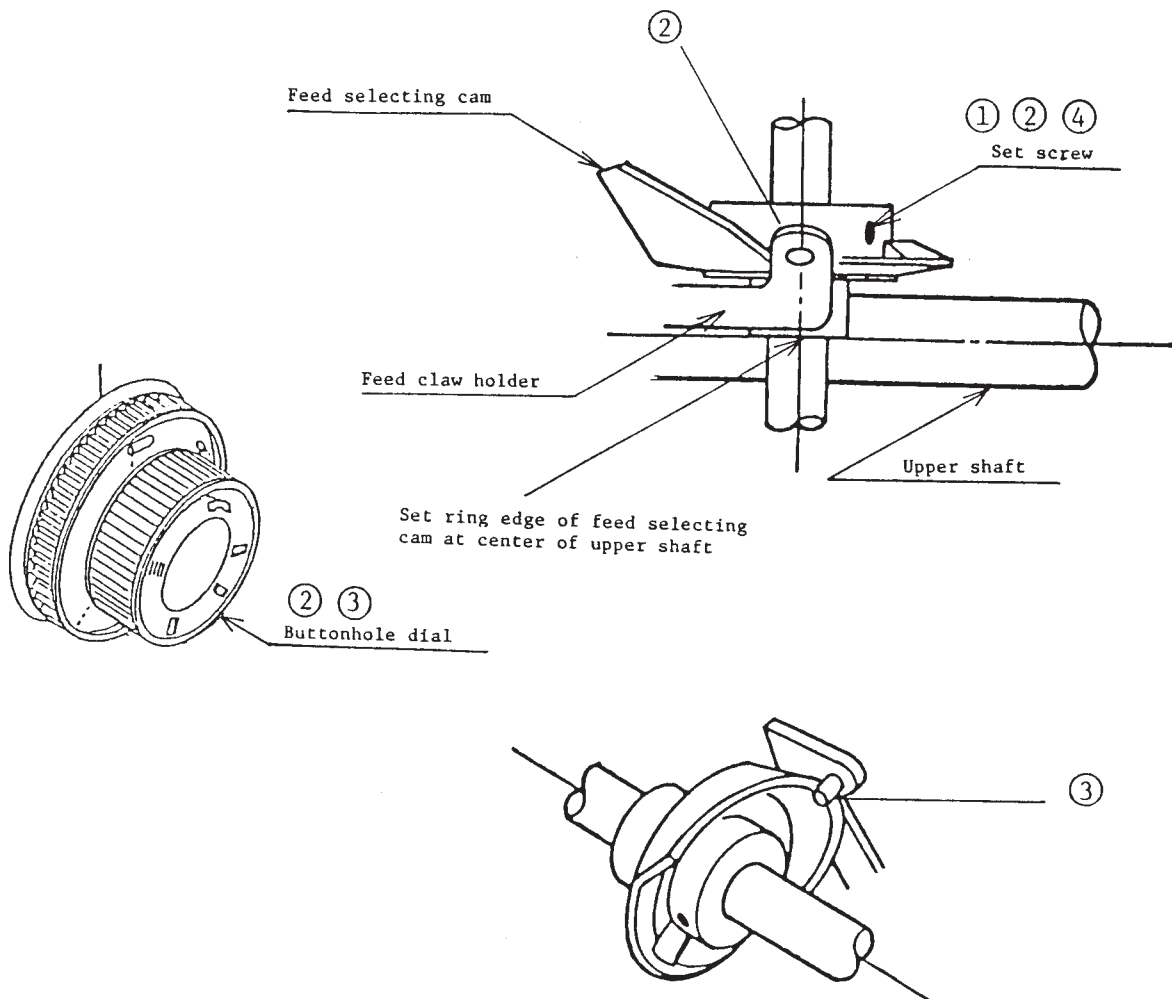
If not, make an adjustment as follows;

1. Set the needle position dial at " | ", buttonhole dial at "≡" and zigzag width lever at "0".
2. Loosen the needle hole adjusting plate set screw.
3. Make contact the tip of the needle hole regulating arm to the needle hole regulating lever.
In this condition, push them to the direction of arrow shown below and hold.
4. While holding them, tighten the needle hole adjusting plate screw firmly.



ADJUSTMENT OF FEED SELECTING CAM POSITION

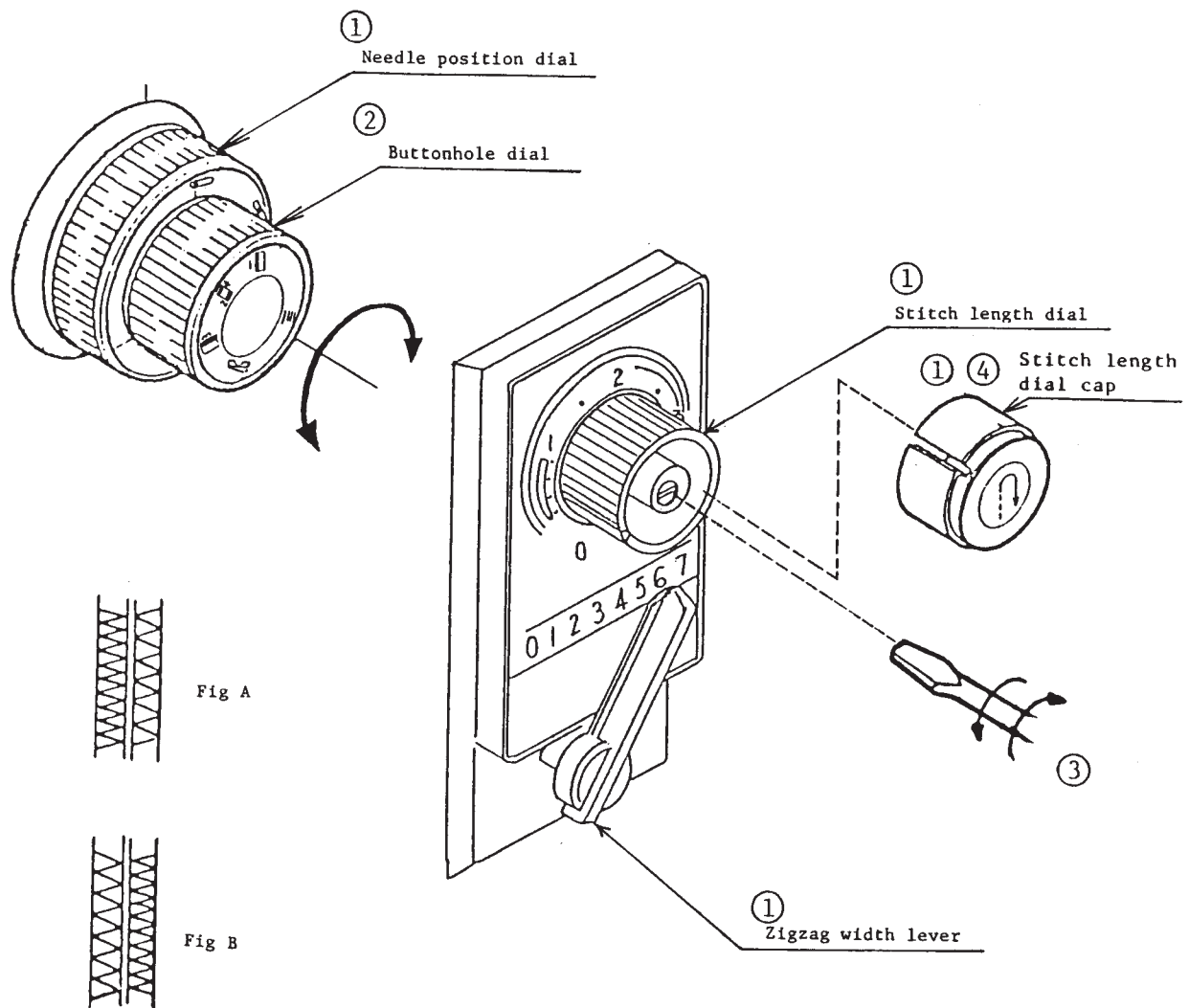
1. Loosen the feed selecting cam set screws and set them as illustrated in the figure.
2. Set the buttonhole dial at "A", and tighten one of the set screws temporary when the feed claw holder pin is right down position of the feed selecting cam as illustrated in the figure.
3. Set the buttonhole dial at "III", make sure the pin is set at the dent on the convex of the feed selecting cam as illustrated in the figure.
4. Tighten two set screws firmly.



ADJUSTMENT OF PITCH DIFFERENCE IN BUTTONHOLE SEWING

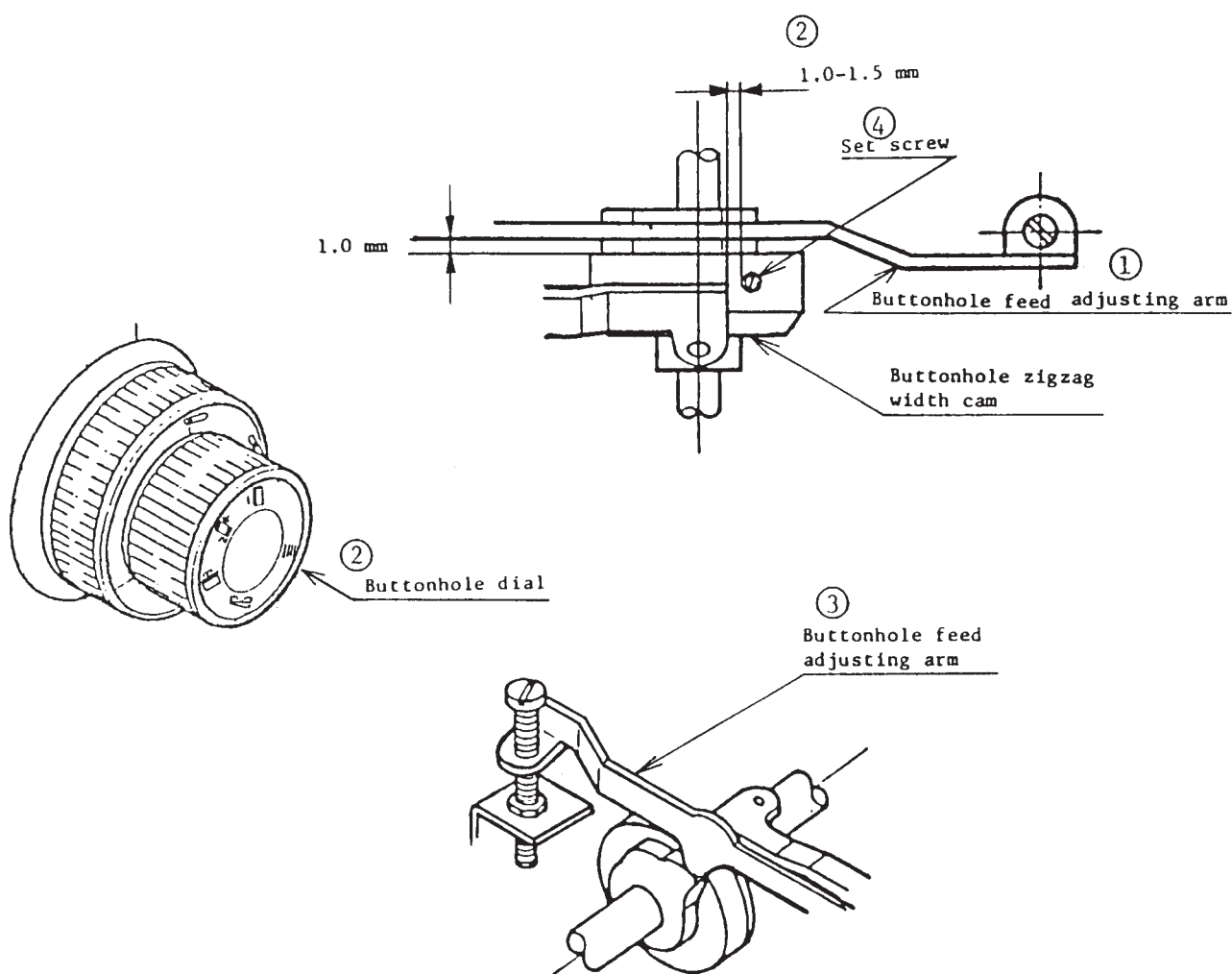
The pitch difference between the left and the right rows in buttonhole seam should be 10 to 14 stitches in the right side against 10 stitches in the left. If not, make an adjustment as follows:

1. Take out the stitch length regulator dial cap.
Set the stitch length regulator dial at "0", the zigzag width lever at "7", and the needle position dial at "0".
2. Turn the buttonhole dial "0-1-2-3-4", stitch the buttonhole and see if there is any difference between the left and the right rows in pitch.
3. If buttonhole sewing is the same as (A), turn the reverse pin to the left side slightly.
If buttonhole sewing is the same as (B), turn the reverse pin to the right side slightly.
4. Fix the stitch length regulator dial cap.



ADJUSTMENT OF BUTTONHOLE STITCH WIDTH CAM POSITION

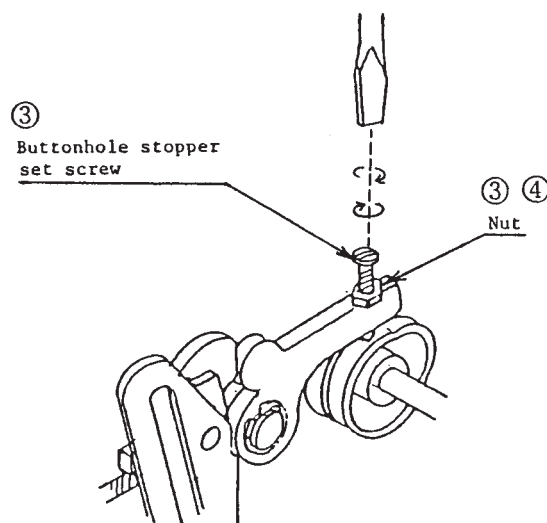
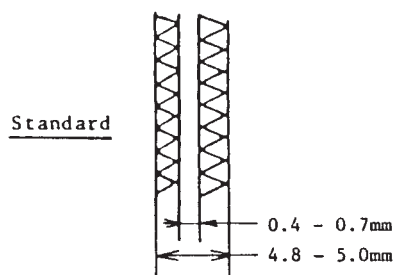
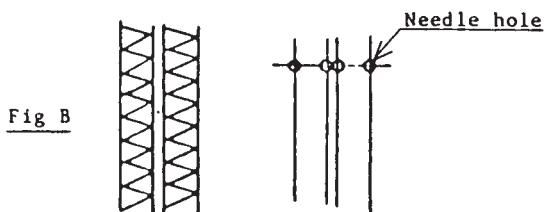
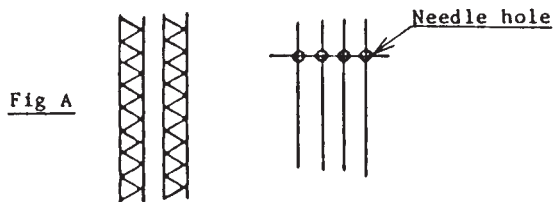
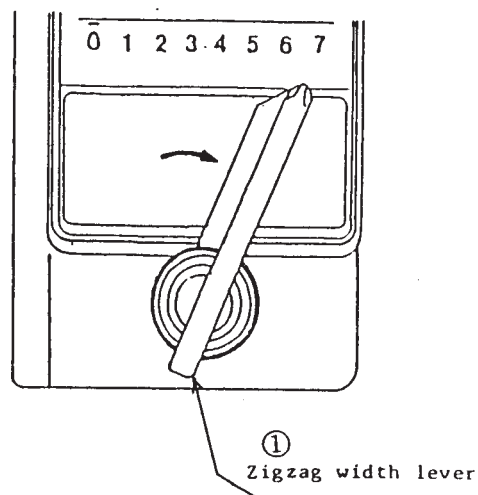
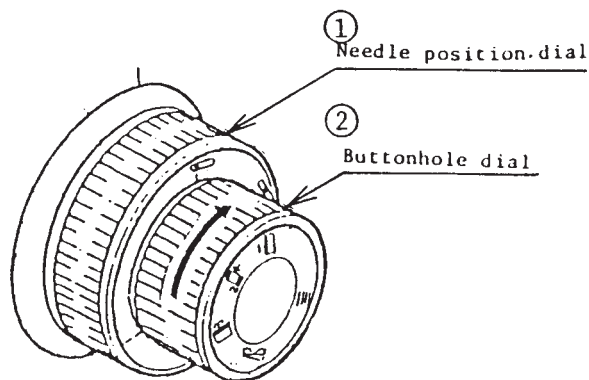
1. Set the buttonhole feed adjusting arm on the buttonhole width cam as illustrated in the figure.
2. Set the buttonhole dial at "0", adjustment of the clearance between left side of buttonhole width cam claw holder and right side of screw in buttonhole width cam should be 1.0 mm to 1.5 mm as illustrated in the figure.
3. Make sure the buttonhole feed adjusting arm is on the buttonhole width cam when set the buttonhole dial at "0".
4. Tighten the left side set screw.



ADJUSTMENT OF CUTTING SPACE OF BUTTONHOLE

The cutting space of buttonhole should be 0.4 mm to 0.7 mm or 1 to 2 threads. When the cutting space is too wide or too narrow, make an adjustment as follows:

1. Set the needle position dial at "0" and the zigzag width lever at "7".
2. Place a piece of paper under the presser foot and turn the buttonhole dial in order of "□-□-□-□" while sewing buttonhole.
3. Loosen the nut slightly.
If the cutting space is too wide, turn the buttonhole stopper set screw anti-clockwise.
If the cutting space is too narrow, turn the buttonhole stopper set screw clockwise.
4. Tighten the nut firmly.

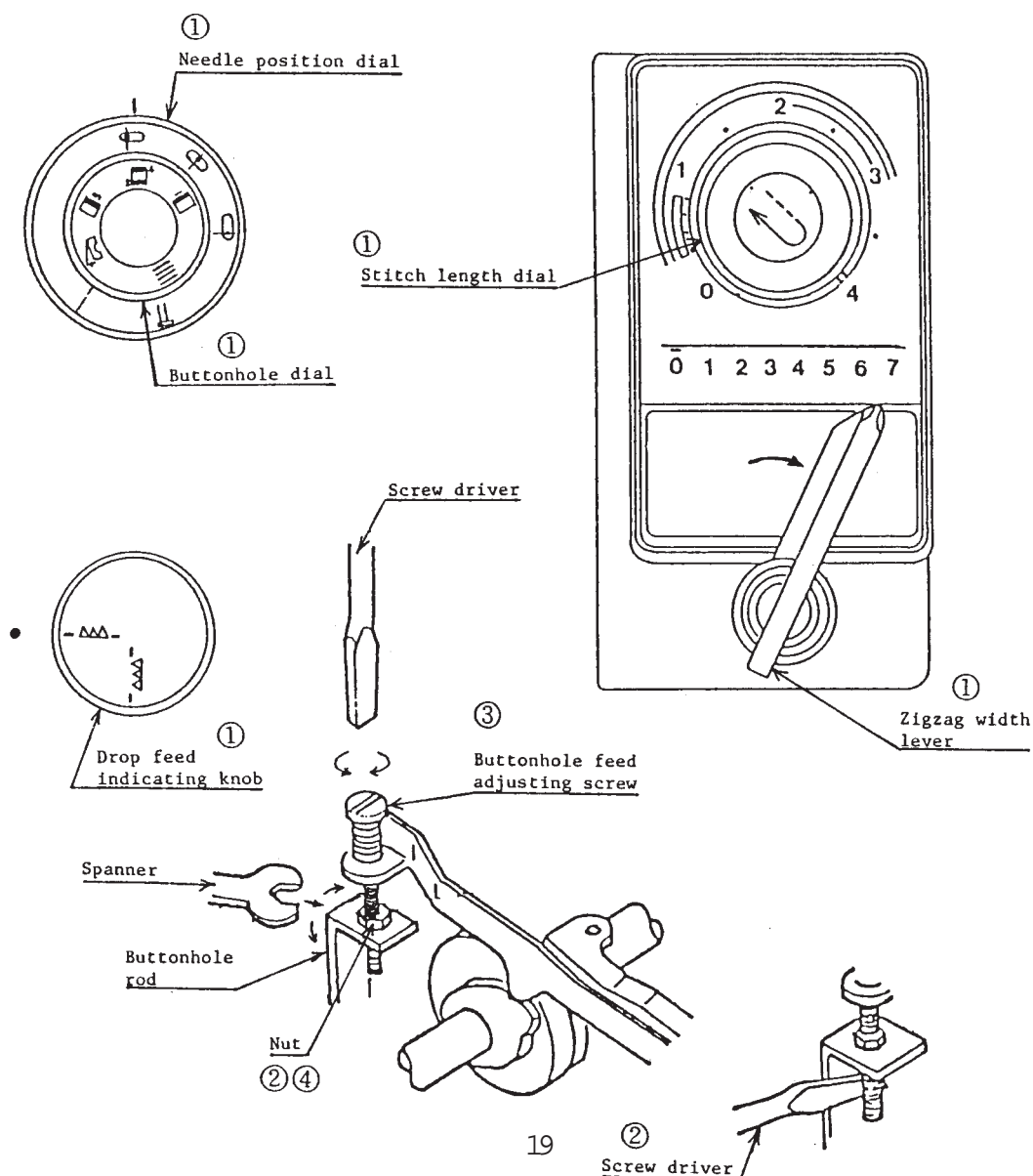


ADJUSTMENT OF BAR-TUCK FEED OF BUTTONHOLE

If the fabric is fed with the buttonhole dial at "□", make an adjustment as follows:

The acceptable quantity of the bar-tuck feed should be less than 1 mm in 20 stitches when the stitch length regulator dial at "4".

1. Set the stitch length regulator dial at "4", the needle position dial at "P", the buttonhole dial at "□", the zigzag width lever at "7" and the drop feed indicating knob at "▲▲▲".
 2. Hold the buttonhole feed adjusting screw, then loosen the nut.
 3. Place a piece of paper under the presser foot and turn the balance wheel toward you.
- * If the paper moves forward, turn the buttonhole feed adjusting screw clockwise.
 - * If the paper moves backward, turn the buttonhole feed adjusting screw anti-clockwise.
4. Tighten the nut firmly after adjustment.



ADJUSTMENT OF HEIGHT OF FEED DOG

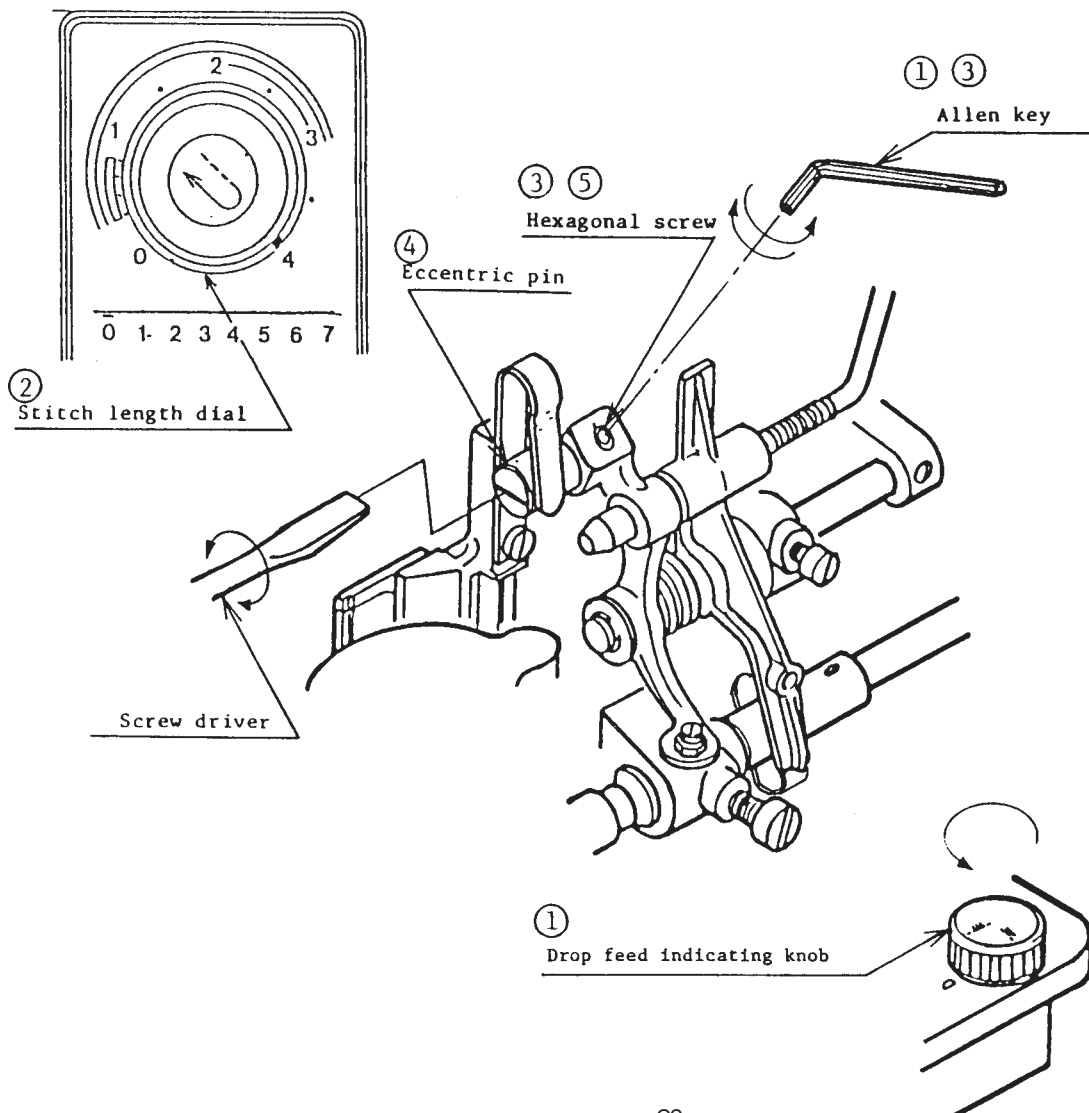
Set the stitch length dial at "4" and the drop feed indicating knob at "-▲▲-". Lower the presser foot and turn the balance wheel toward you until the needle bar comes to the highest point of its travel.

In this condition, the height of the feed dog above the needle plate should be 0.7 mm to 0.85 mm.

When the drop feed indicating knob is set at "-▲▲-", the feed dog should be below the top surface of the needle plate and should not hit the hook race body unit.

If it is incorrect, make an adjustment as follows:

1. Set the drop feed indicating knob at "-▲▲-".
2. Set the stitch length regulator dial at "4".
Turn the balance wheel toward you until the needle comes to the highest point of its travel.
3. Loosen the eccentric pin set screw with a hexagonal screw driver.
4. Turn the eccentric pin to adjust height of the feed dog.
5. Tighten the eccentric pin set screw after adjustment of the feed dog (0.7 mm to 0.85 mm).

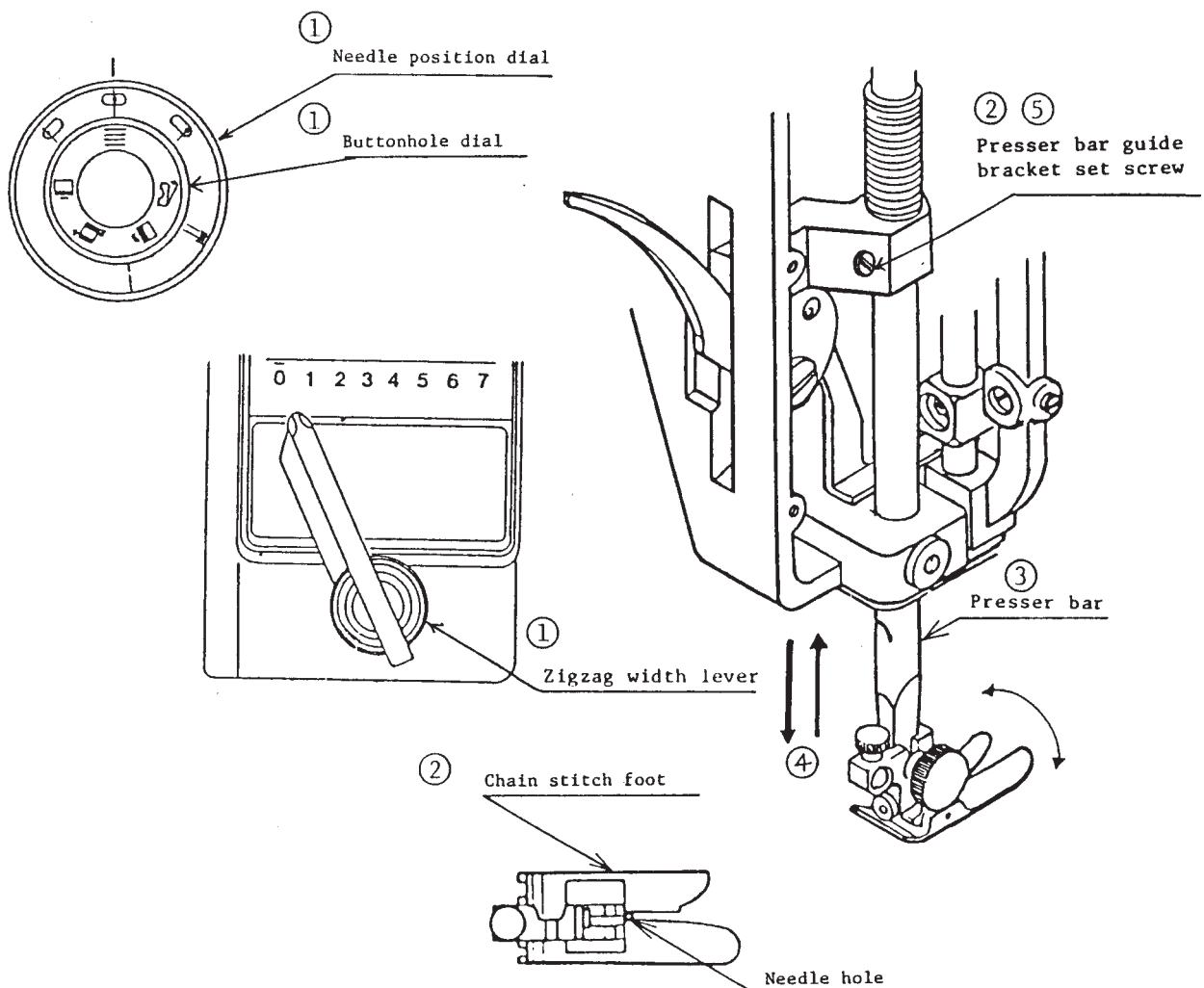


ADJUSTMENT OF PRESSER BAR POSITION

When the needle drops in the center of the needle hole of presser foot by setting the needle position dial at "Φ", the buttonhole dial at "≡" and the position of presser bar is correctly adjusted.

If not, make an adjustment as follows:

1. Set the buttonhole dial at "≡", the needle position dial at "Φ" and the zigzag width lever at "0".
2. Set the chain stitch foot to the presser bar.
Raise the presser bar lifter and loosen the set screw of the presser bar guide bracket.
3. Adjust the position of the presser bar by moving it so that the side of the presser foot runs parallel to the feed dog.
4. In this condition, adjust the height of the presser bar by moving it upward or downward to make clearance between the base of presser foot and the upper surface of the needle plate.
5. Tighten the set screw of presser bar guide bracket.

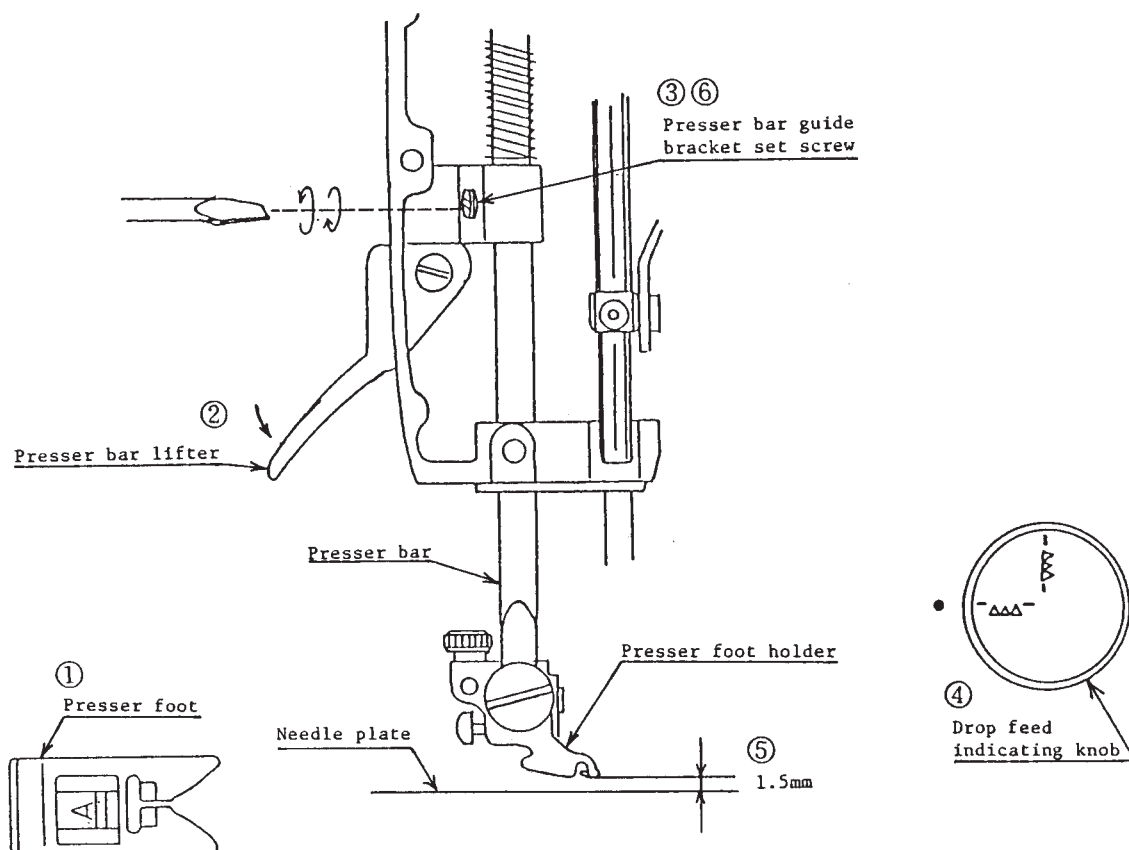


ADJUSTMENT OF HEIGHT OF PRESSER FOOT HOLDER

When you lower the presser bar lifter, clearance between the presser foot holder and the surface of the needle plate should be 1.5 mm.

If not, make an adjustment as follows:

1. Take off the presser foot and the face plate.
 2. Lower the presser bar lifter.
 3. Loosen the presser bar bracket set screw.
 4. Set the drop feed indicating knob at "-▲▲-".
 5. Clearance between the presser foot holder and the surface of the needle plate should be 1.5 mm.
 6. Tighten the presser bar stopper bracket screw.
- ** After adjustment, set the drop feed indicating knob at "-▲▲-" and make sure the presser foot holder does not hit the feed dog at the highest point when you turn the balance wheel toward you.

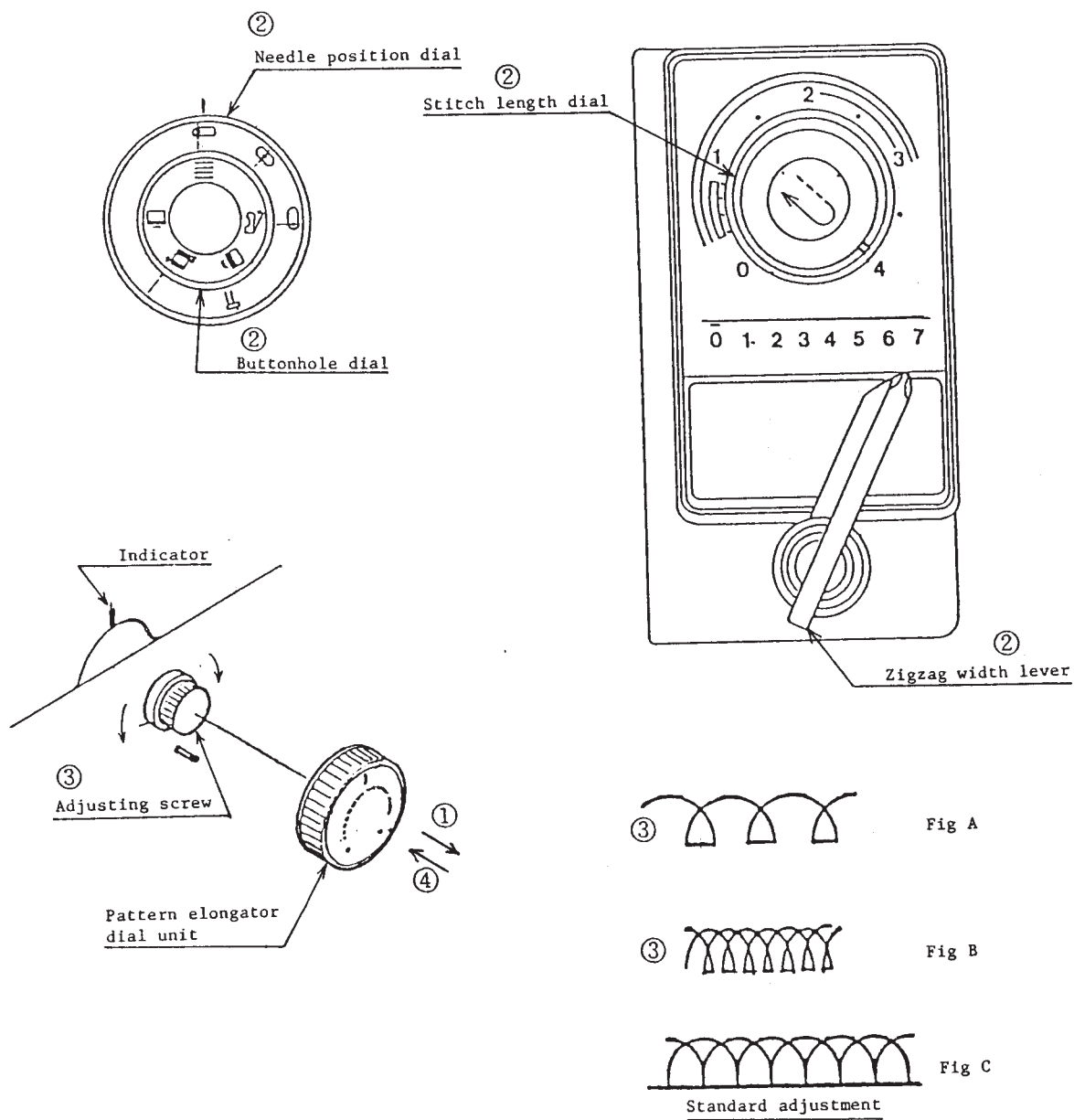


ADJUSTMENT OF PITCH DIFFERENCE IN STRETCH STITCH FEEDING

The stretch stitch patterns by double stuck cams can be lengthened or shortened by turning this pattern elongator dial. When this dial is set at standard position "0", normal shaped patterns should be formed.

But, if you find a distortion (pitch difference) in stretch stitches at the standard position of this dial, make following adjustments.

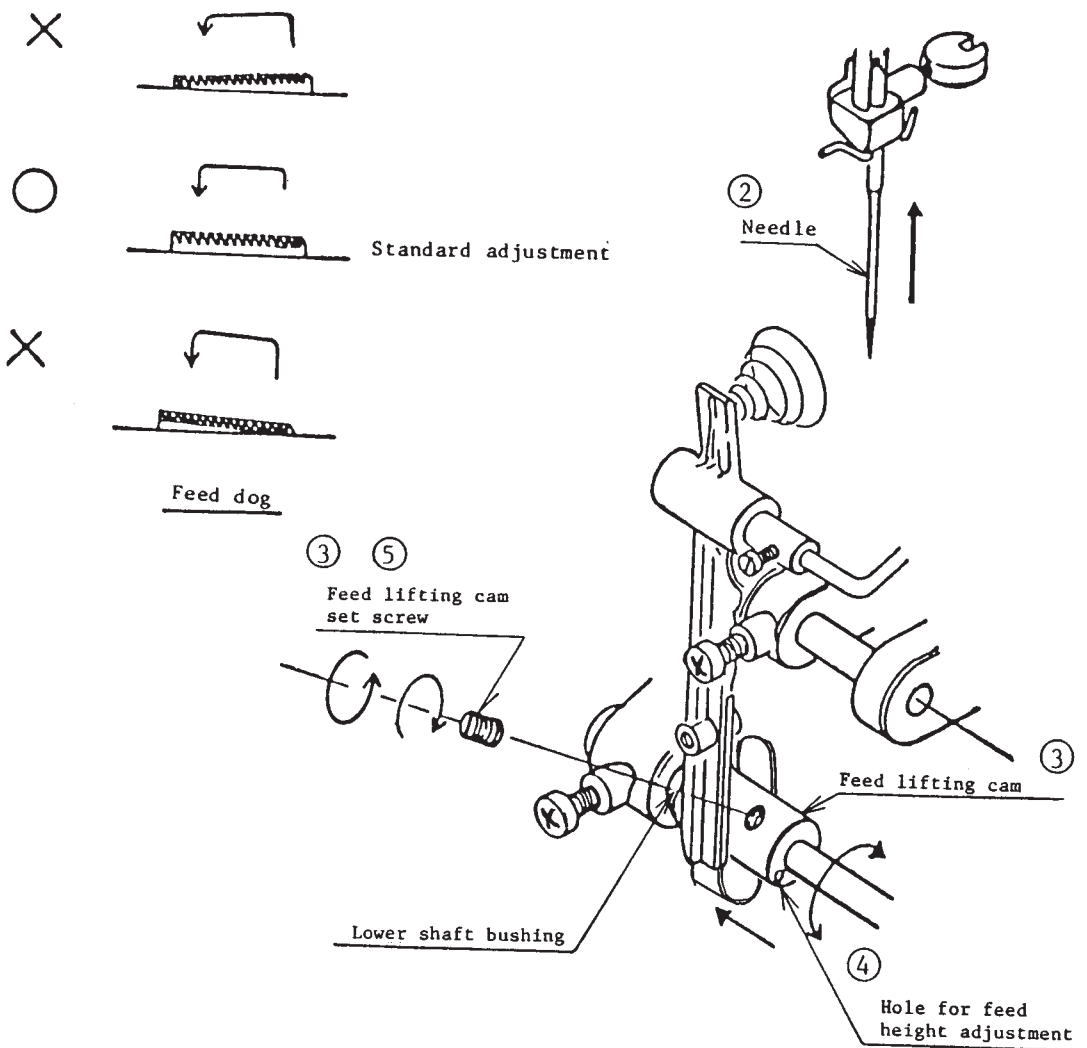
1. Take out the pattern elongator cap.
Insert pattern cam(No.19).
2. Set the needle position dial at "0", the buttonhole dial at "III", the stitch length dial at "4" and the zigzag width lever at "7".
3. Turn the feed adjusting screw clockwise, if the pattern is as illustrated in the figure A.
Turn the feed adjusting screw anti-clockwise, if the pattern is as illustrated in the figure B.
4. Set the elongator dial cap at "0".



ADJUSTMENT OF FEED LIFTING CAM POSITION

Adjustment of the feed lifting cam position is always set after the correct hook timing and clearance between needle and rotary hook is obtained.

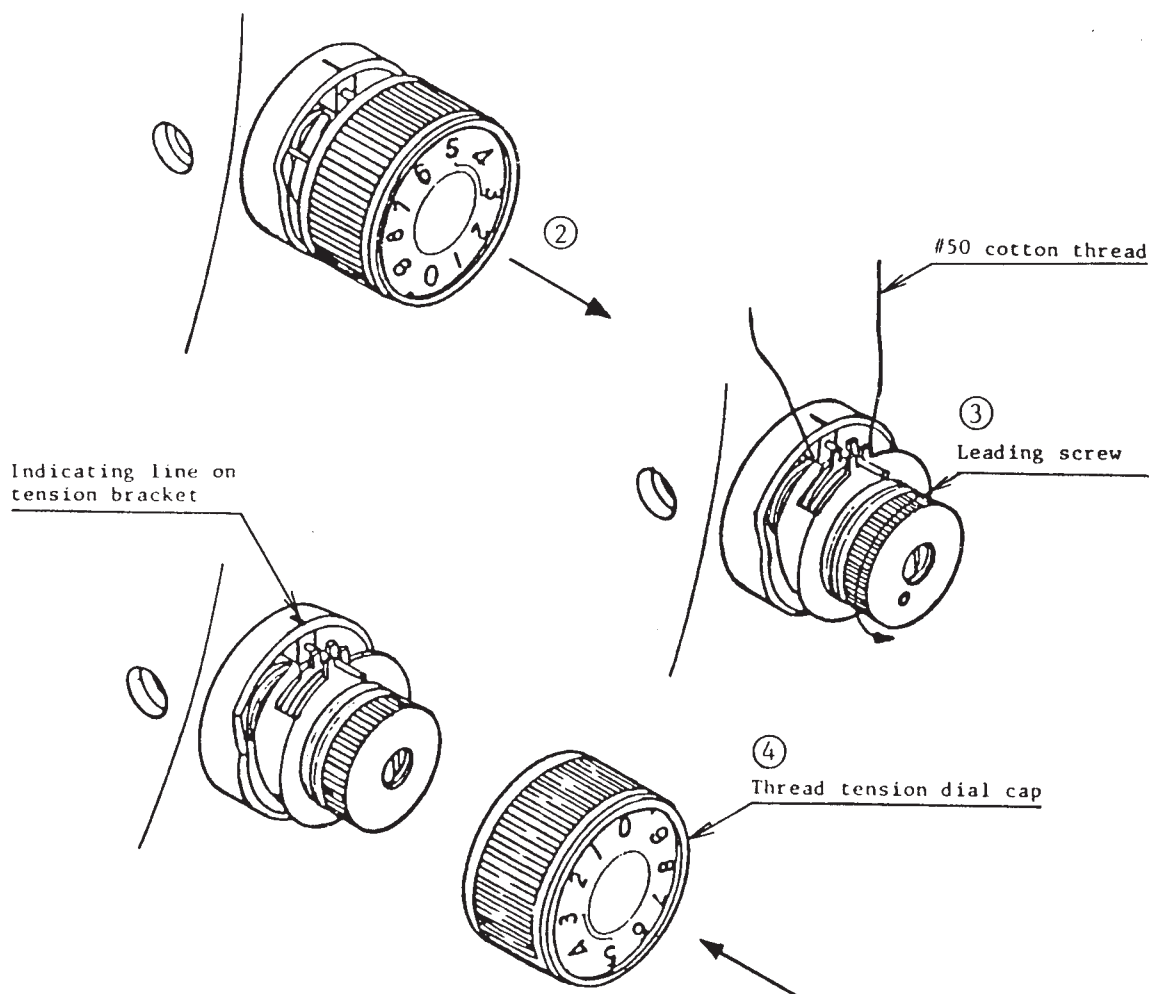
1. Lay down the sewing machine to loosen the feed lifting cam set screw.
2. Turn the balance wheel toward you until the needle bar is set at the highest position to its travel.
3. Loosen the feed lifting cam set screw and turn the feed lifting cam.
4. Set the feed lifting cam right under the bed.
Shift the feed lifting cam to the left side of the lower shaft bushing.
5. Tighten the set screw.



ADJUSTMENT OF "0" POSITION OF THREAD TENSION

It is the most desirable that the thread can get through without resistance when thread tension regulator dial is set at "0" and a little resistance can be felt at "1".

1. Lower the presser bar lifter.
2. Set the thread tension regulator dial at "5" and pull the knob out of the dial unit.
3. Loosen the leading screw until the thread can get through between the discs without resistance.
4. Set the dial indication at "0" on the thread regulator dial at the scribed line on the thread tension bracket and push the cap as far as it will go.



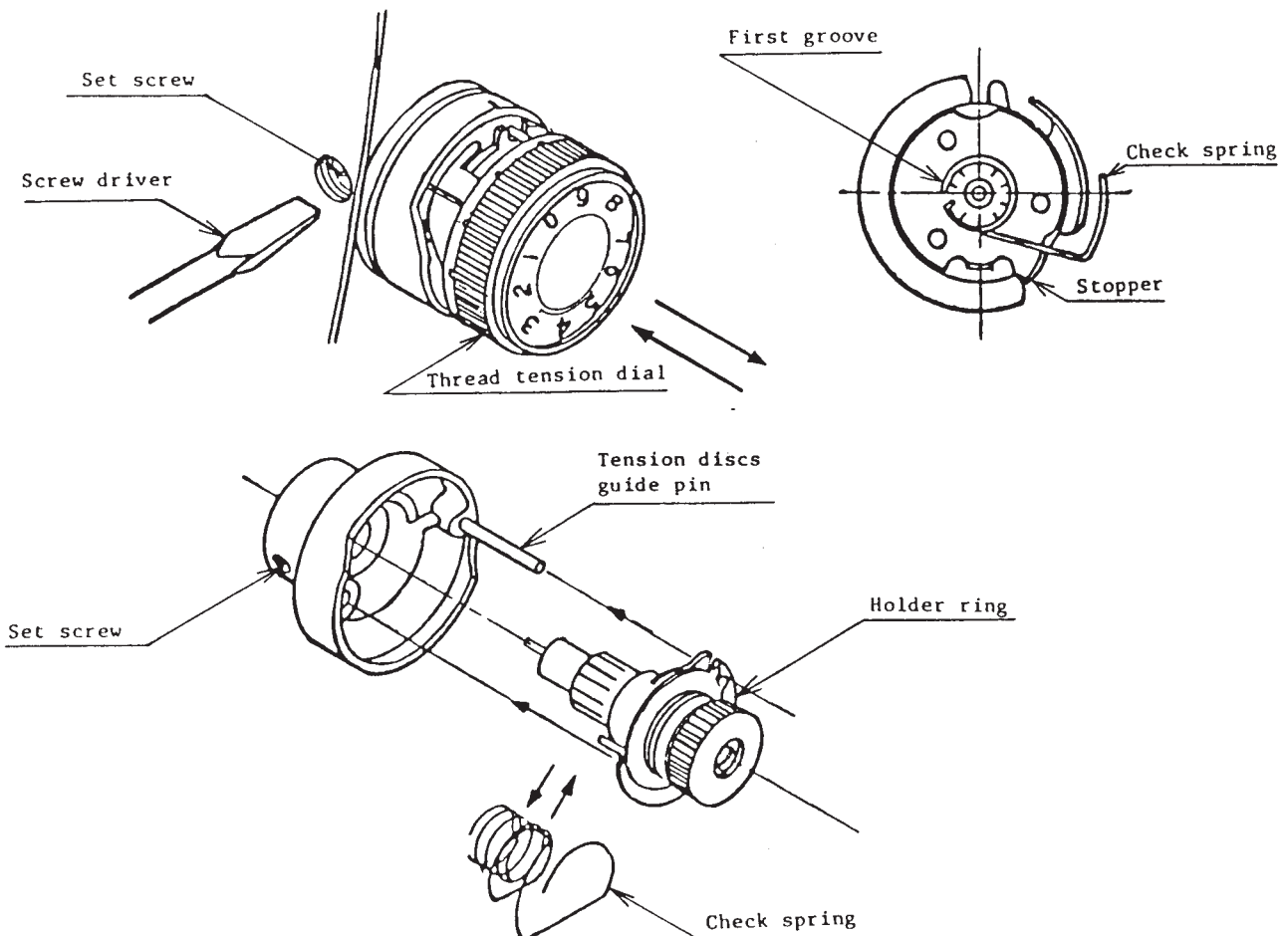
REPLACEMENT OF CHECK SPRING

To take out check spring

1. Set the tension dial indication at "9" on the thread tension regulator dial at the scribed line on the thread tension outer ring unit.
2. Pull out the thread tension dial cap.
3. Loosen the set screw and the thread tension unit.
4. Loosen thread tension outer ring set screw.
5. Take out the check spring from the check spring guide ring.

To assemble

6. Insert the check spring to the groove of the check spring guide ring of the tension regulator unit.
7. To adjust the starting position of the check spring tension. Turn the check spring clockwise until touching the stopper, then again, turn the check spring for one groove clockwise to adjust the tension correct.
8. Tighten the thread tension outer ring set screw.
9. Set the tension dial cap indication at "9" on the thread tension regulator dial at the scribed line on the thread tension outer ring upward. Insert the tension dial unit to the tension discs guide pin.
10. Tighten the set screw.

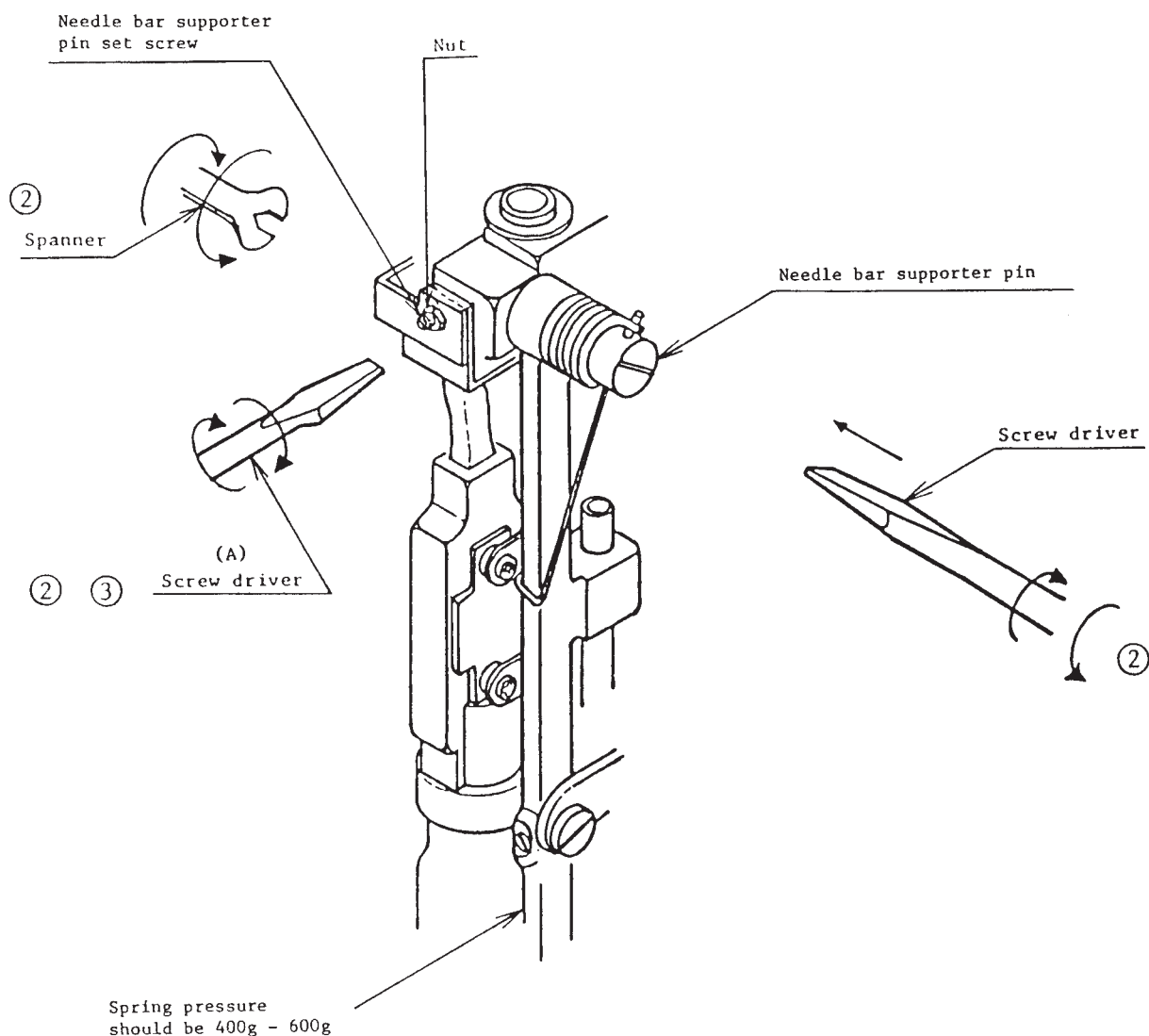


ADJUSTMENT OF PRESSURE OF NEEDLE BAR SUPPORTER SPRING

Pressure of the needle bar supporter spring should be 400g to 600g on the eccentric pin set screw of the middle of the needle bar supporter.

If not, make an adjustment as follows:

1. Detach the top cover unit.
2. Loosen the nut and the screw(needle bar supporter pin set screw).
Then hold "A" screw driver by left hand, turn the needle bar supporter pin
3. Tighten the set screw of the needle bar supporter pin and nut.



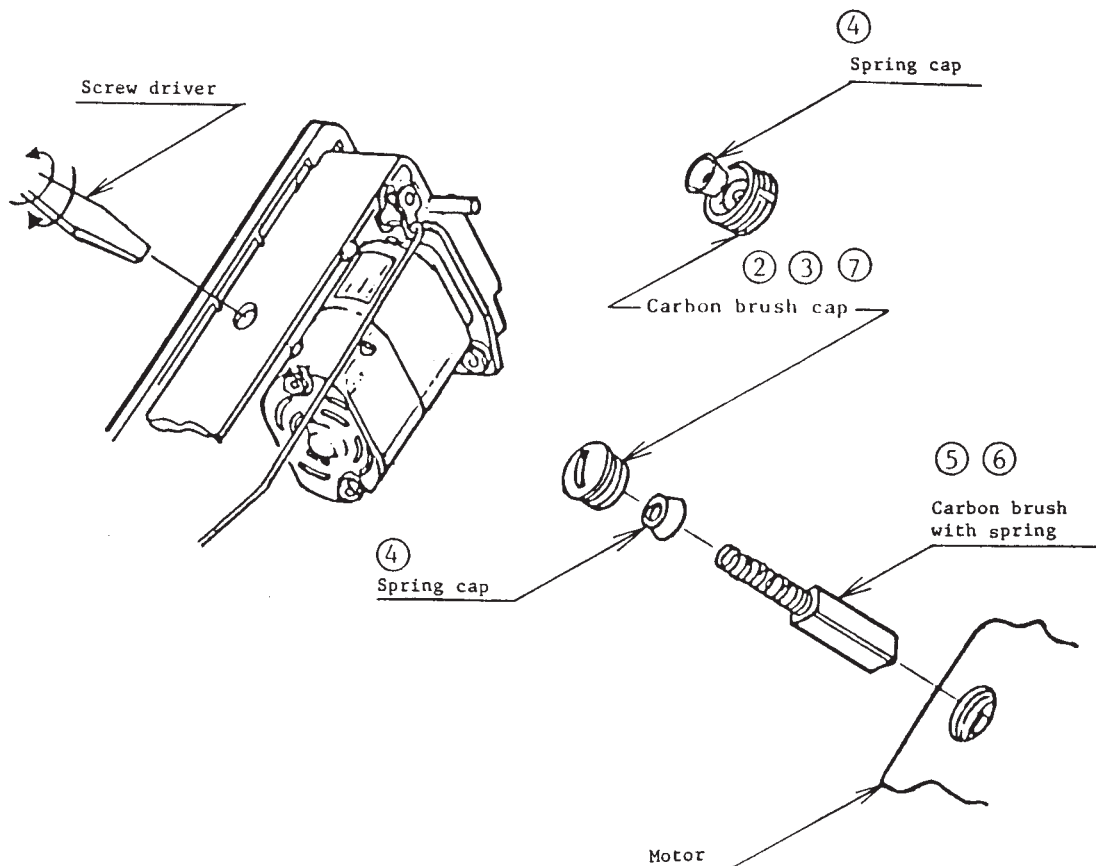
REPLACEMENT OF CARBON BRUSHES

If the motor loses power or does not work,
it is results from abrasion of the carbon brushes in the motor when sewing
machine is used for a long period.

In this condition, replace carbon brushes as follows:

1. Lay down the sewing machine to find out the motor under the bed.
2. Take out the carbon brush caps with a screw driver.
3. There is a spring under the carbon brush cap in the motor.
You should hold the carbon brush cap while replacing carbon brushes.
This is because it will fly out with spring.
4. Take out the spring cap.
5. Take out the old carbon brush and insert new one that it is inserted to
the same direction as the curved surface of the motor.
6. Insert the spring cap on the carbon brush spring.
7. Tighten the carbon brush cap firmly.

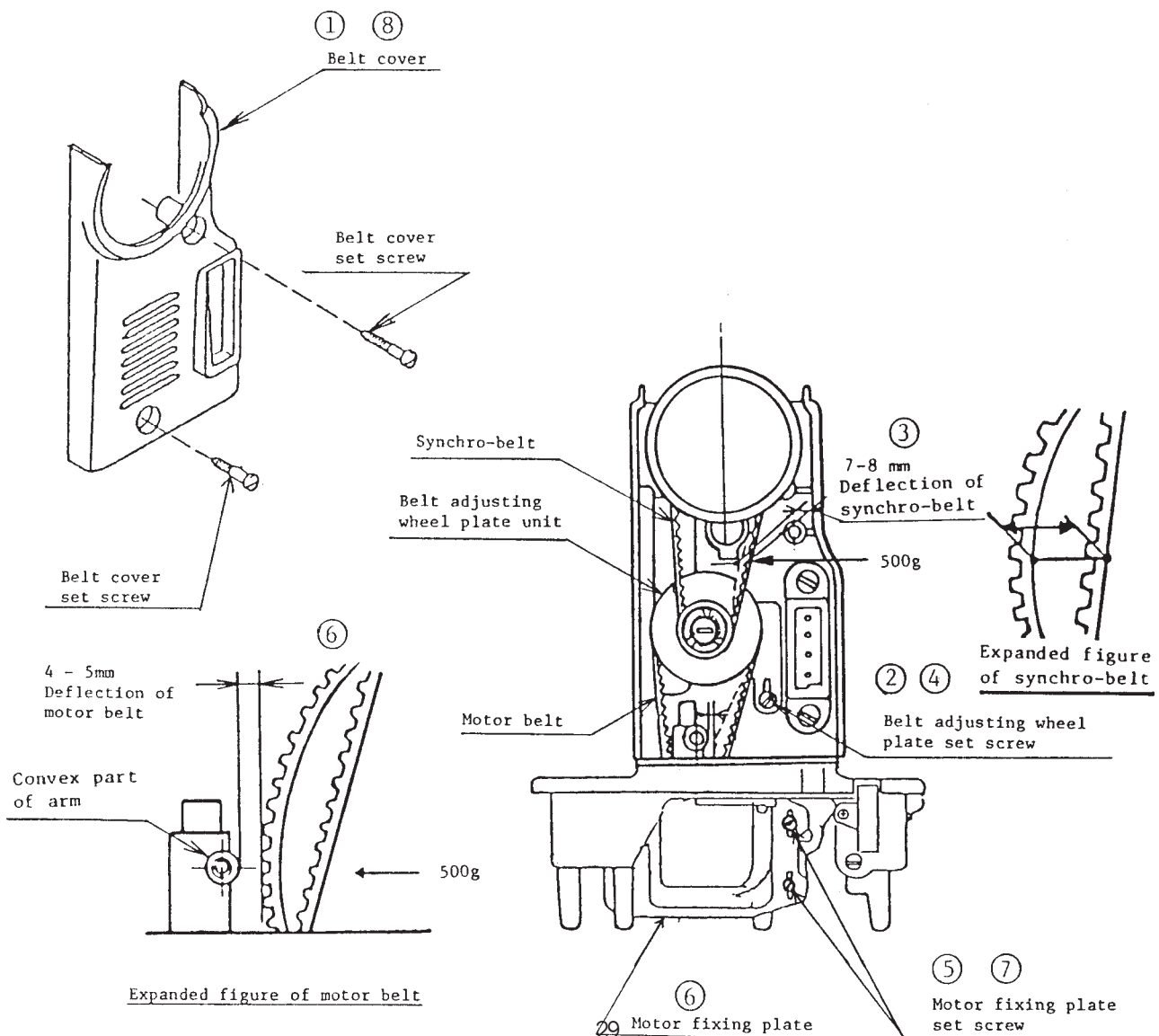
Note: Make sure both carbon brushes should be changed together.



ADJUSTMENT BELT TENSION

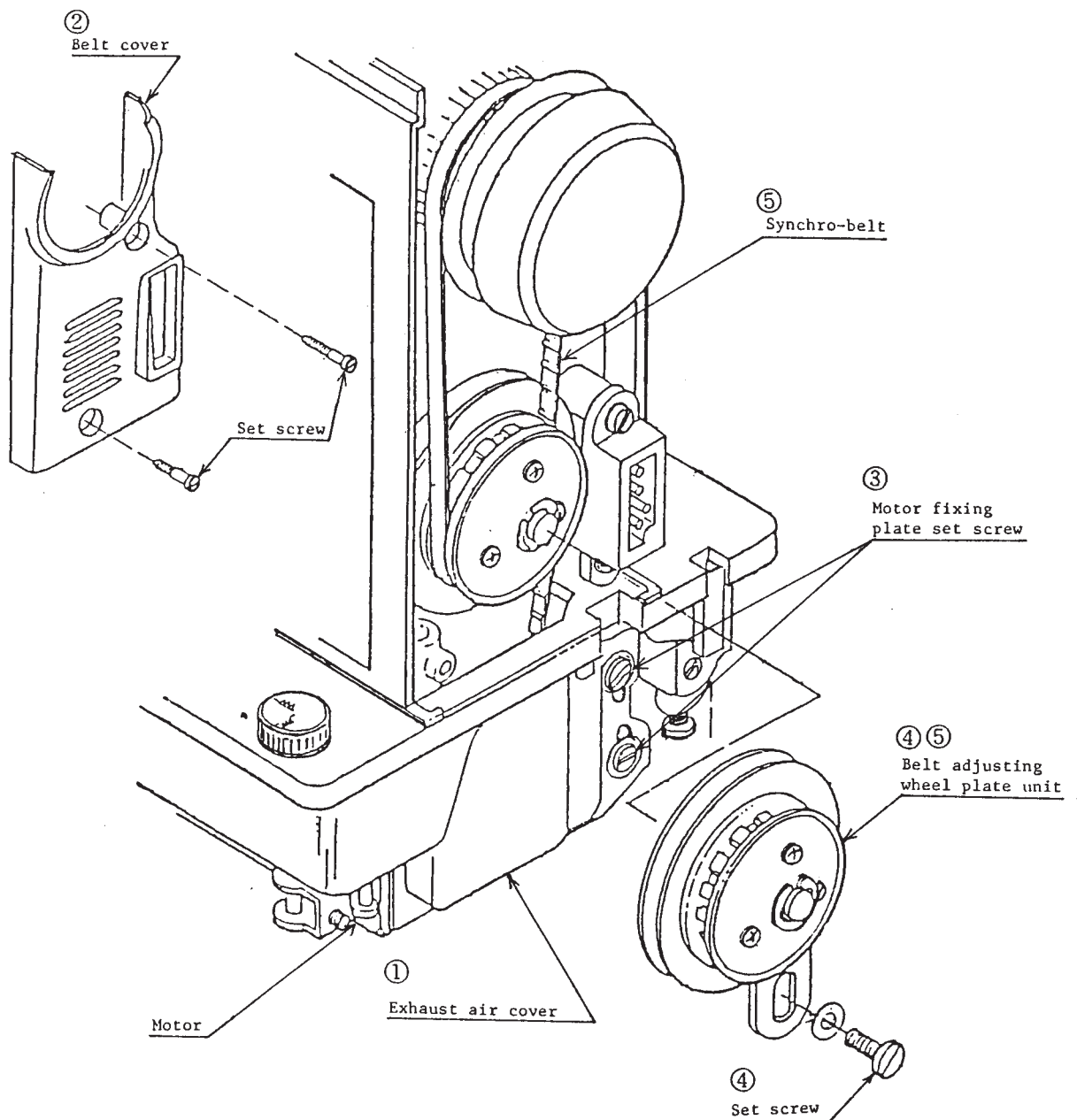
If the tension of the synchro-belt on the motor or the belt adjusting wheel plate unit is set incorrectly, the machine may not run smoothly or make a noise.

1. Detach the belt cover.
2. Loosen the belt adjusting wheel unit set screw.
3. Move the belt adjusting wheel plate up or down to adjust deflection of the belt about 7mm to 8mm by your finger
4. Tighten the set screw firmly.
5. Loosen the motor fixing plate set screw.
6. Move the motor fixing plate up or down to adjust deflection about 4mm to 5mm by your finger
7. Tighten the motor fixing plate set screw.
8. Fix the belt cover with two screws.



TO TAKE OUT BELT ADJUSTING WHEEL PLATE UNIT

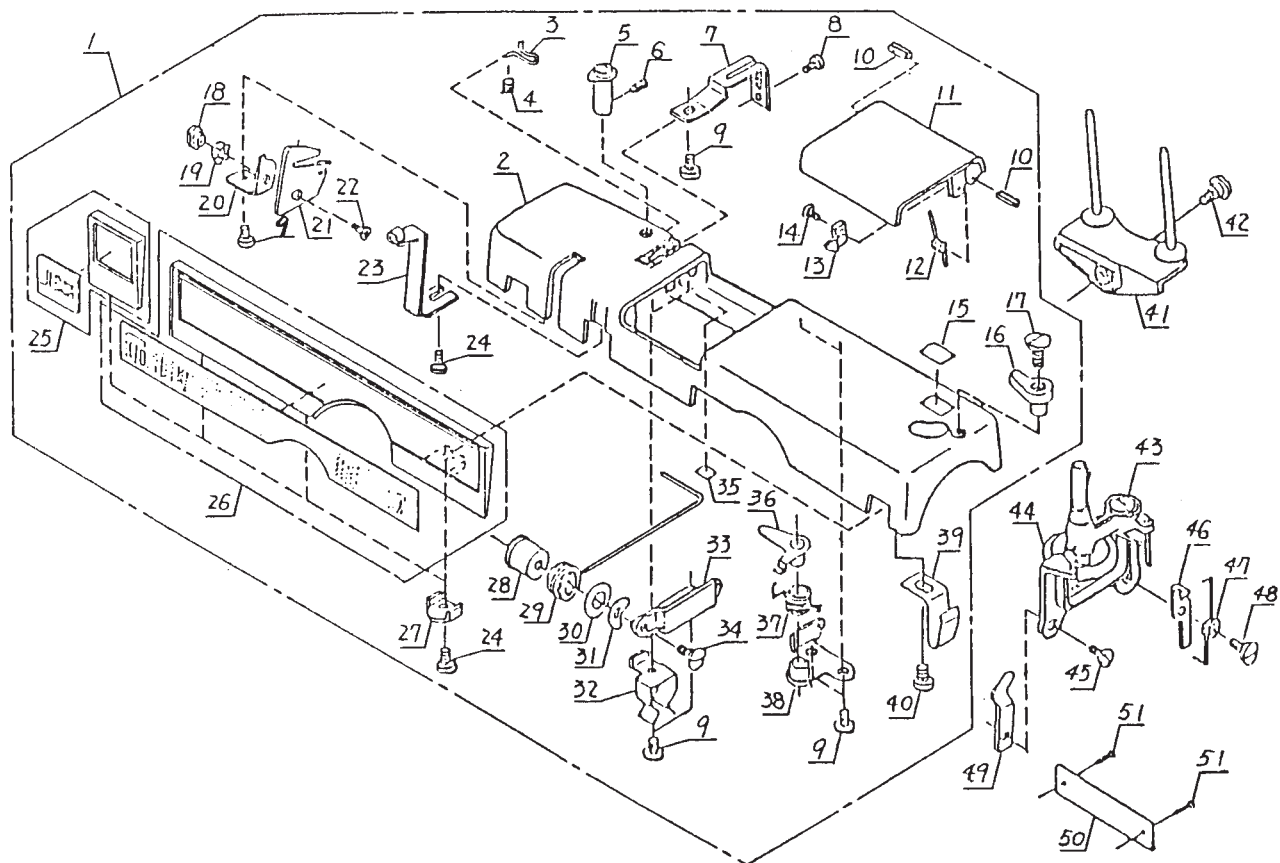
1. Take out the exhaust air cover.
2. Detach the belt cover.
3. Loosen the motor fixing plate set screw.
4. Move the belt adjusting wheel plate unit downward and upward to take out the belt,
5. Take out synchro-belt and the belt adjusting wheel plate unit.



PARTS LIST

MODEL 802

Specification code:

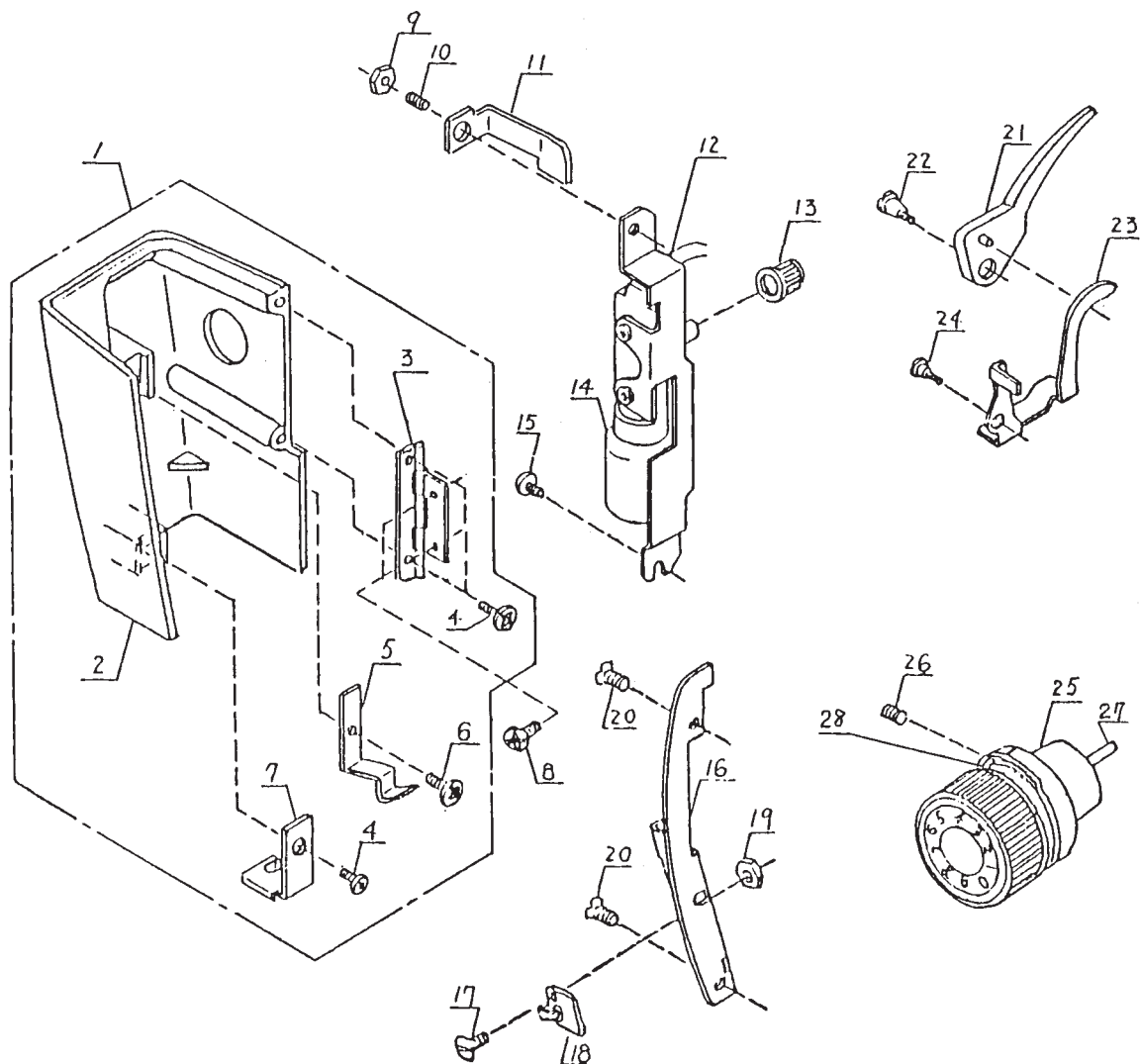


REF. NO. PART NO. DESCRIPTION

| | | |
|----|-----------|--|
| 1 | 802630005 | Top cover unit (JANOME brand) |
| | 802630xxx | Top cover unit (NEW HOME brand) |
| 2 | 802130103 | Top cover |
| 3 | 802137007 | Thread guide |
| 4 | 000082604 | Set screw |
| 5 | 802501006 | Thread guide unit |
| 6 | 000082501 | Set screw |
| 7 | 802136006 | Thread guide plate |
| 8 | 000066635 | Set screw |
| 9 | 000101404 | Set screw |
| 10 | 000005603 | Spring pin |
| 11 | 802131104 | Lid |
| 12 | 670011009 | Spring |
| 13 | 673009003 | Lid set plate |
| 14 | 000101507 | Set screw |
| 15 | 366812006 | Sticker |
| 16 | 540048102 | Bobbin winder stopper |
| 17 | 000103107 | Set screw |
| 18 | 802106007 | Chain stitch thread guide |
| 19 | 553152007 | Washer |
| 20 | 802134004 | Chain stitch thread guide set plate |
| 21 | 802135005 | Chain stitch thread guide |
| 22 | 802107008 | Set screw |
| 23 | 802138008 | Thread guide |
| 24 | 000081005 | Set screw |
| 25 | 802633--- | Ornamental plate frame |
| 26 | 802632--- | Pattern ind. plate unit (JANOME brand) |
| | 802632xxx | Pattern ind. plate unit (NEW HOME brand) |

REF. NO. PART NO. DESCRIPTION

| | | |
|----|-----------|---------------------|
| 27 | 650160002 | Panel set plate |
| 28 | 802006006 | Nut |
| 29 | 802132002 | Spring |
| 30 | 602009003 | Washer |
| 31 | 591066001 | Washer |
| 32 | 802133003 | Spring |
| 33 | 802004004 | Hinge |
| 34 | 553012004 | Hinge screw |
| 35 | 802002002 | Cushion |
| 36 | 672008009 | Lid release lever |
| 37 | 672009000 | Spring |
| 38 | 673011008 | Hinge |
| 39 | 673006000 | Spring |
| 40 | 000101404 | Set screw |
| 41 | 673019202 | Spool pin |
| 42 | 673021001 | Hinge screw |
| 43 | 801503005 | Bobbin winder unit |
| 44 | 102171002 | Bobbin winder ring |
| 45 | 338044002 | Set screw |
| 46 | 673183002 | Declutch arm |
| 47 | 673184003 | Spring |
| 48 | 366033005 | Hinge screw |
| 49 | 673004008 | Top cover set plate |
| 50 | 802085009 | Serial number plate |
| 51 | 102010002 | Pin |

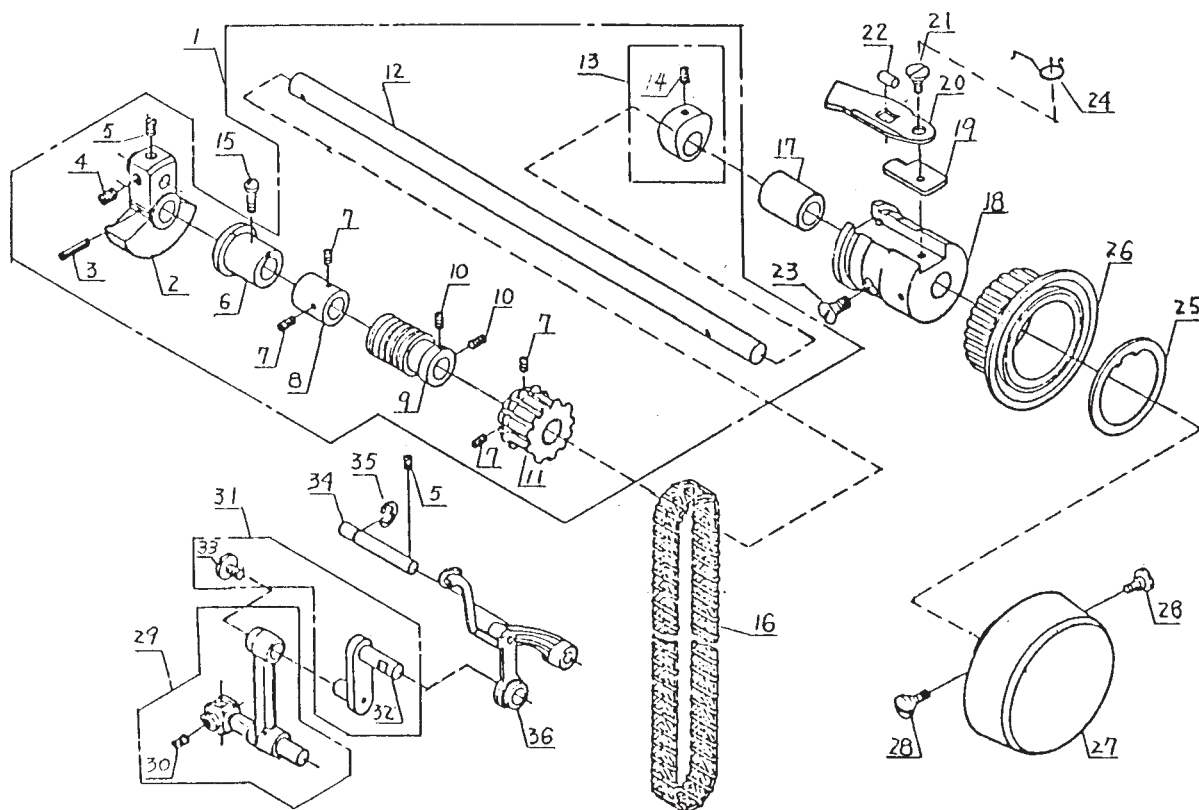


| REF. NO. | PART NO. | DESCRIPTION |
|----------|----------|-------------|
|----------|----------|-------------|

| | | |
|----|-----------|----------------------------------|
| 1 | 802634009 | Face plate unit |
| 2 | 802143109 | Face plate |
| 3 | 366501009 | Hinge unit |
| 4 | 000077503 | Set screw |
| 5 | 810443004 | Spring |
| 6 | 810220003 | Set screw |
| 7 | 802540007 | Thread cutter |
| 8 | 366084001 | Set screw |
| 9 | 553088001 | Nut |
| 10 | 680038003 | Set screw |
| 11 | 802084008 | Cord set plate |
| 12 | 801505007 | Lamp socket unit |
| 13 | 801803008 | Switch knob |
| 14 | 000008802 | Light bulb (screw-in type, 240V) |
| 15 | 670073102 | Set screw |

| REF. NO. | PART NO. | DESCRIPTION |
|----------|----------|-------------|
|----------|----------|-------------|

| | | |
|----|-----------|-----------------------|
| 16 | 802145008 | Thread guide |
| 17 | 350089007 | Set screw |
| 18 | 802019002 | Thread guide |
| 19 | 553143005 | Nut |
| 20 | 670042009 | Set screw |
| 21 | 804075002 | Presser bar lifter |
| 22 | 102065002 | Hinge screw |
| 23 | 673308005 | Tension release lever |
| 24 | 670069002 | Hinge screw |
| 25 | 802541008 | Tension unit |
| 26 | 102063000 | Set screw |
| 27 | 673049005 | Tension release pin |
| 28 | 804005001 | Check spring |

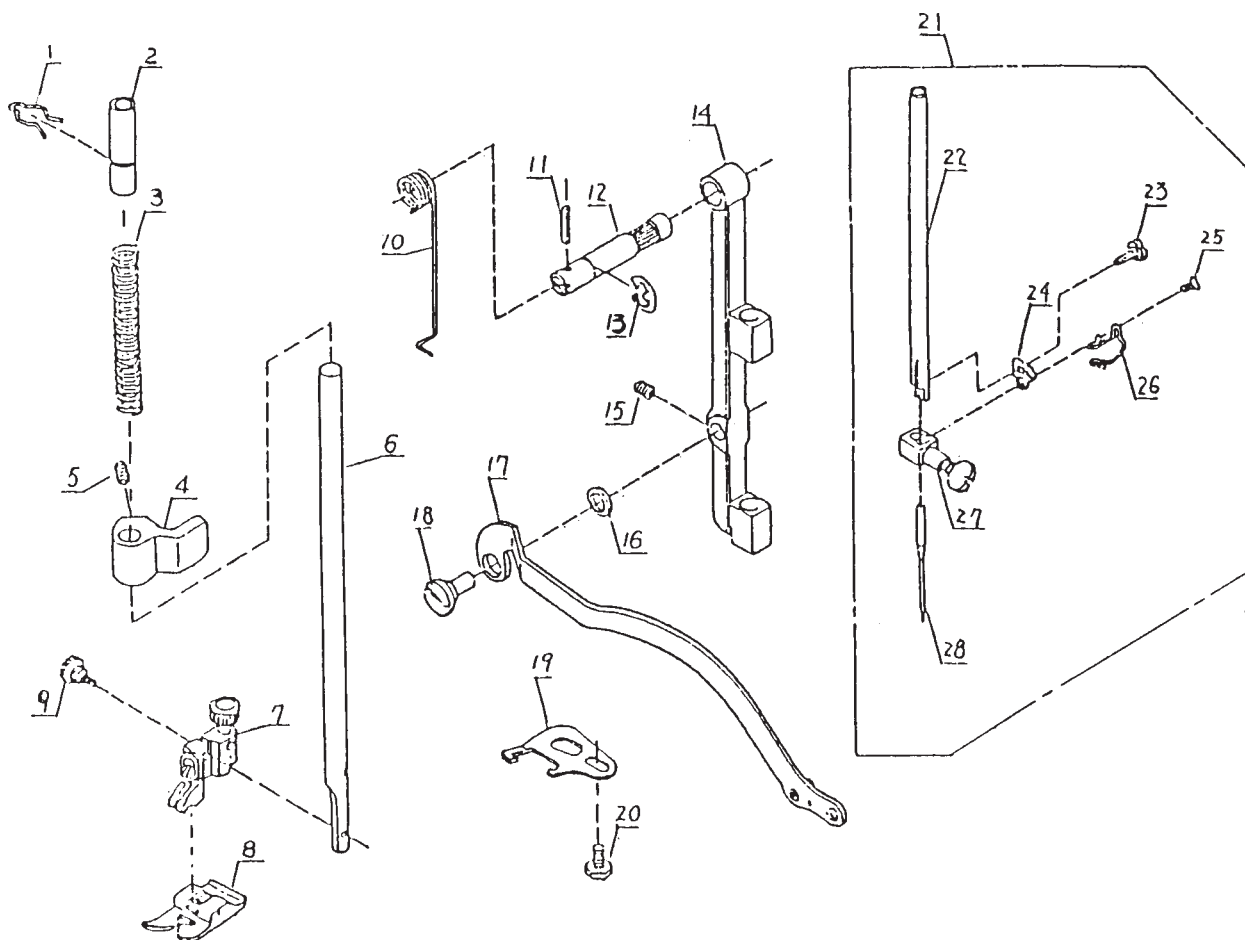


REF. NO. PART NO. DESCRIPTION

| | | |
|----|-----------|-----------------------|
| 1 | 673652007 | Upper shaft unit |
| 2 | 673068000 | Crank |
| 3 | 000004314 | Spring pin |
| 4 | 102073003 | Set screw |
| 5 | 102063000 | Set screw |
| 6 | 673061003 | Bushing |
| 7 | 000111304 | Hexagon socket screw |
| 8 | 673063005 | Ring |
| 9 | 673064006 | Worm gear |
| 10 | 102217001 | Set screw |
| 11 | 801018008 | Timing gear |
| 12 | 673060002 | Upper shaft |
| 13 | 608502009 | Feed cam unit |
| 14 | 000111108 | Hexagon socket screw |
| 15 | 802029005 | Set screw |
| 16 | 801605008 | Clip belt |
| 17 | 673062004 | Bushing |
| 18 | 673065007 | Balance wheel bushing |
| 19 | 366030002 | Washer |

REF. NO. PART NO. DESCRIPTION

| | | |
|----|-----------|----------------------------|
| 20 | 804076014 | Declutch lever |
| 21 | 366031003 | Hinge screw |
| 22 | 553015007 | Roller |
| 23 | 671106005 | Set screw |
| 24 | 804010009 | Spring |
| 25 | 673219008 | Washer |
| 26 | 673067009 | Belt wheel |
| 27 | 673066204 | Balance wheel |
| 28 | 568064007 | Set screw |
| 29 | 673501000 | Needle bar conn. stud unit |
| 30 | 000111201 | Hexagon socket screw |
| 31 | 673520005 | Needle bar crank pin unit |
| 32 | 673070005 | Needle bar crank pin |
| 33 | 532041007 | Lid screw |
| 34 | 802028004 | Pin |
| 35 | 000001702 | Snap ring |
| 36 | 802503008 | Thread take up lever |

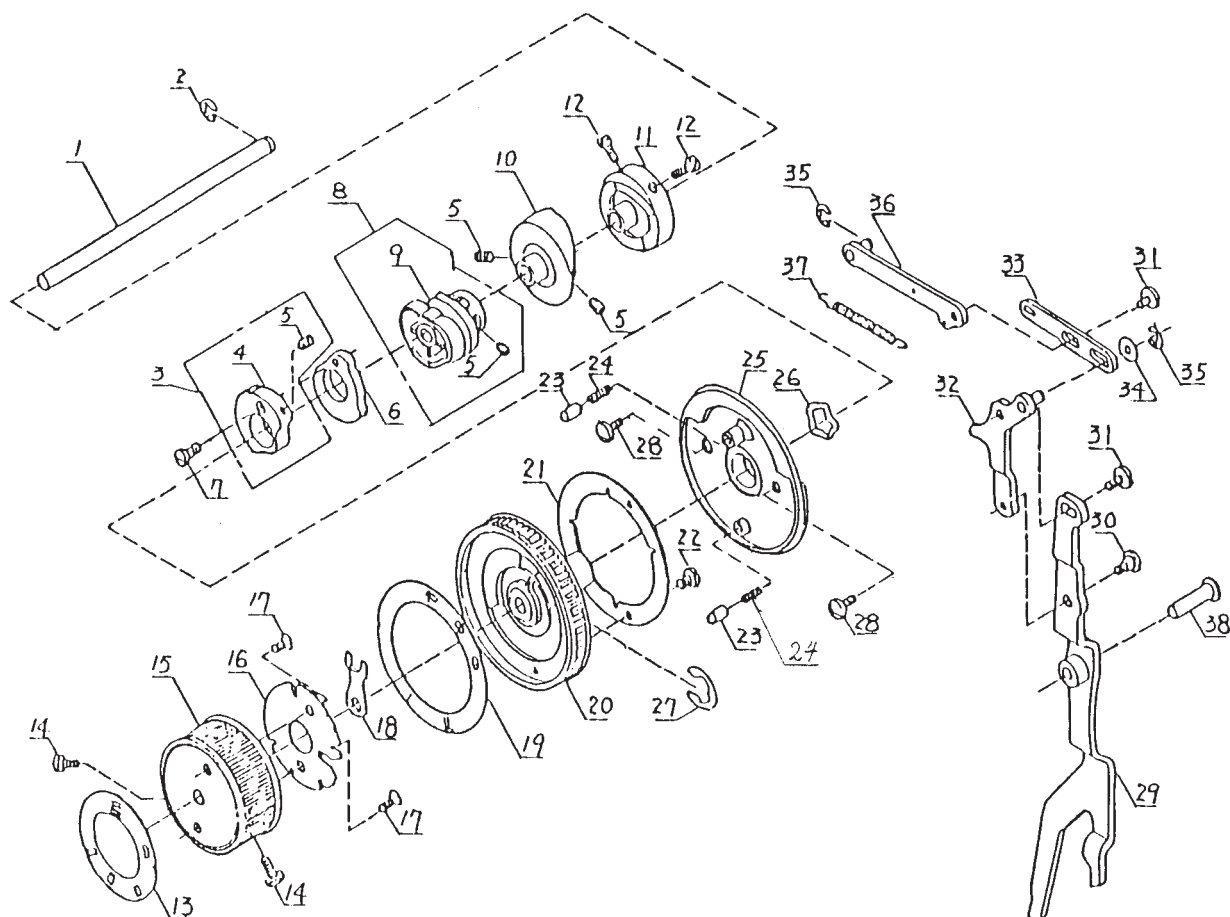


REF. NO. PART NO. DESCRIPTION

| | | |
|----|-----------|--------------------------------|
| 1 | 802022008 | Spring |
| 2 | 802021007 | Bushing |
| 3 | 366024003 | Spring |
| 4 | 810518012 | Presser bar guide bracket unit |
| 5 | 000082903 | Set screw |
| 6 | 102801008 | Presser bar |
| 7 | 804509000 | Foot holder |
| 8 | 802508003 | Presser foot |
| 9 | 102012004 | thumb screw |
| 10 | 560025002 | Spring |
| 11 | 000003601 | Spring pin |
| 12 | 802020006 | Pin |
| 13 | 000001702 | Snap ring |
| 14 | 673031004 | Needle bar supporter |
| 15 | 553137006 | Set screw |

REF. NO. PART NO. DESCRIPTION

| | | |
|----|-----------|-------------------------|
| 16 | 672145009 | Washer |
| 17 | 802115009 | Zigzag rod |
| 18 | 678084007 | Eccentric pin |
| 19 | 619092005 | Stopper |
| 20 | 000066303 | Hexagon bolt |
| 21 | 680514008 | Needle bar unit |
| 22 | 553085008 | Needle bar |
| 23 | 802108009 | Hinge screw |
| 24 | 670262007 | Needle clamp set plate |
| 25 | 670047004 | Set screw |
| 26 | 680043001 | Needle bar thread guide |
| 27 | 801506008 | Needle clamp unit |
| 28 | 102408089 | Needle, no. 14 |

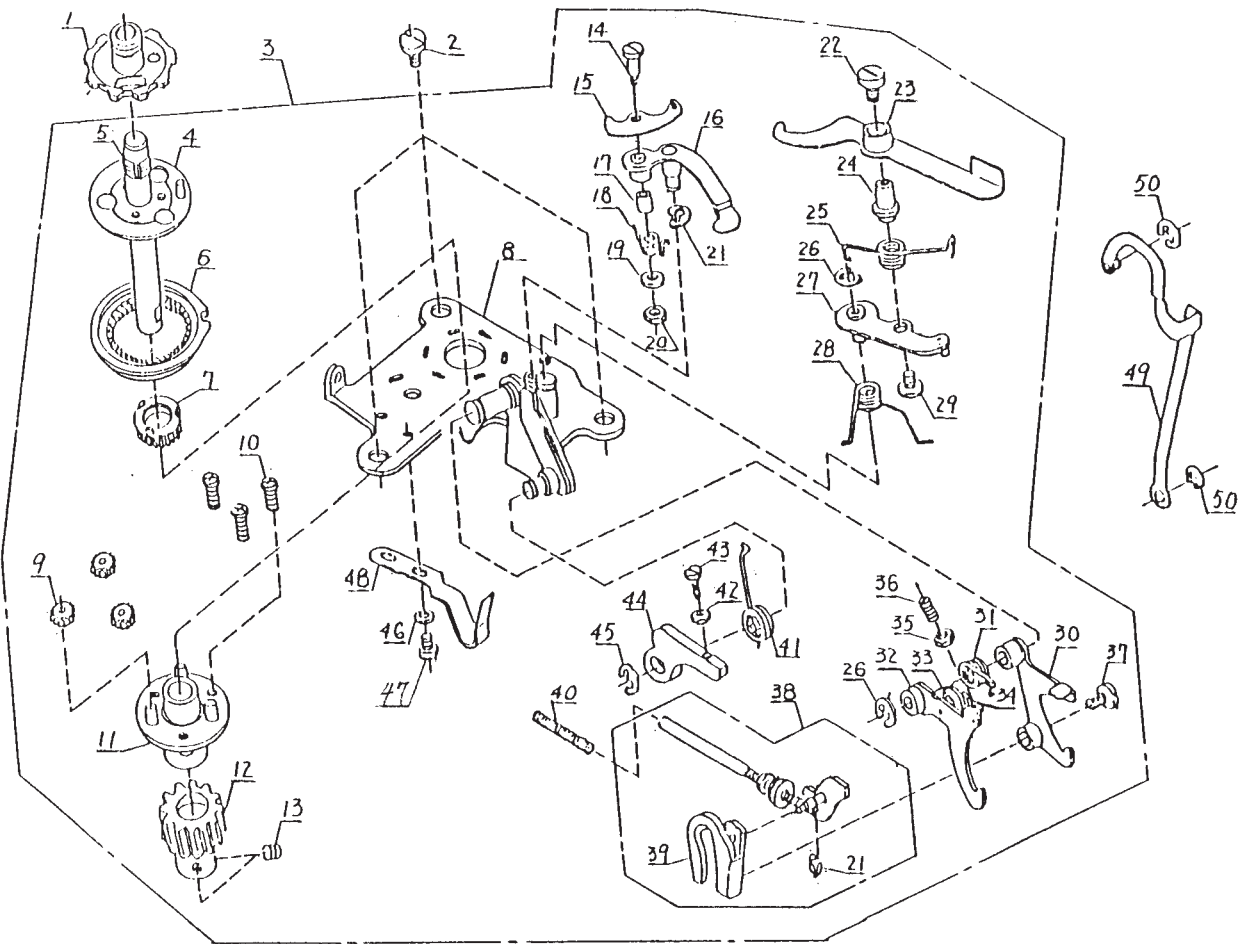


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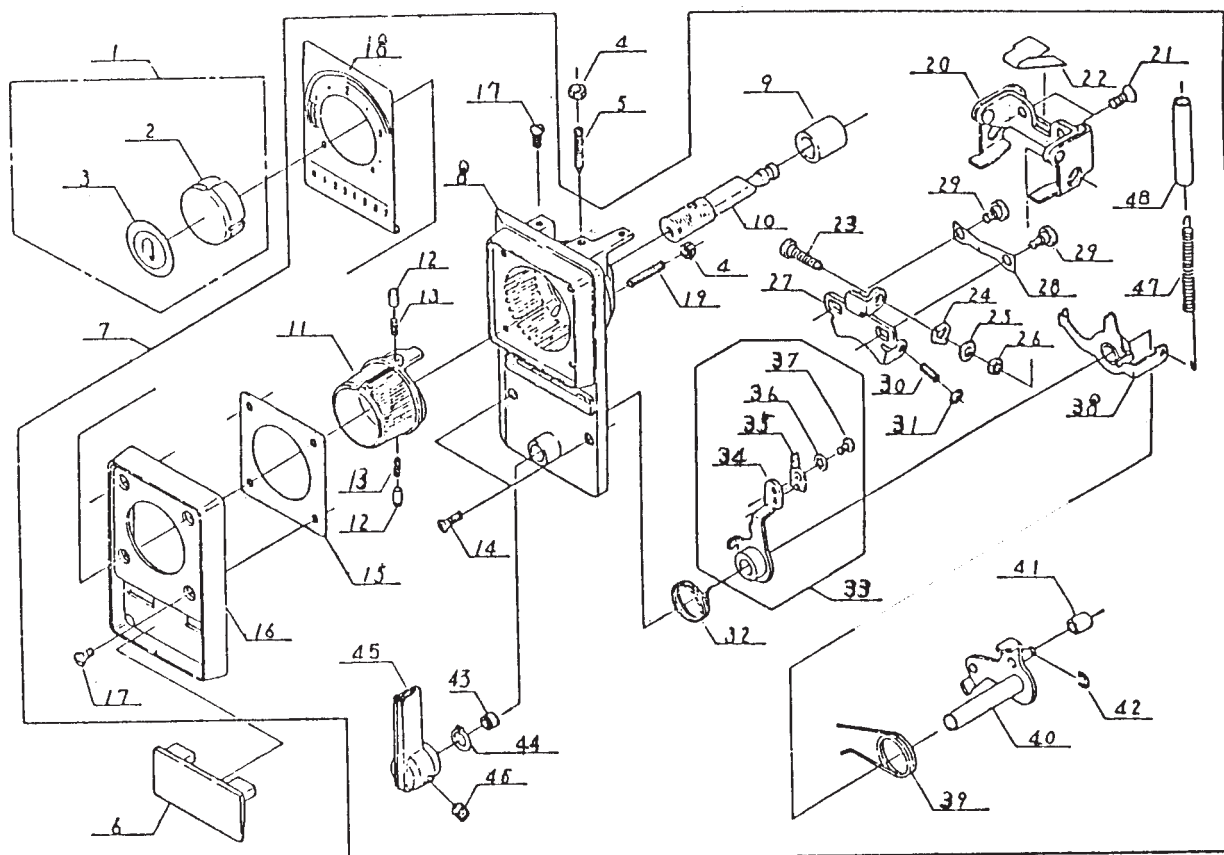
| | | |
|----|-----------|------------------------------|
| 1 | 672104006 | Pin |
| 2 | 000001506 | Snap ring |
| 3 | 672527002 | Twin needle stopper cam unit |
| 4 | 673151001 | Twin needle stopper cam |
| 5 | 000111201 | Hexagon socket screw |
| 6 | 673152002 | Needle position reg. cam |
| 7 | 672108000 | Set screw |
| 8 | 673547008 | Needle position cam unit |
| 9 | 673307004 | Needle position cam |
| 10 | 672179002 | S.S. select. cam |
| 11 | 673155005 | Buttonhole width reg. cam |
| 12 | 672138009 | Set screw |
| 13 | 802162001 | BH indicating plate |
| 14 | 556224000 | Set screw |
| 15 | 802057002 | Dial |
| 16 | 802058003 | Index plate |
| 17 | 532023003 | Set screw |
| 18 | 673150000 | Stopper |
| 19 | 802161000 | Needle position ind. plate |
| 20 | 673145002 | Needle position dial |

REF. NO. PART NO. DESCRIPTION

| | | |
|----|-----------|----------------------------|
| 21 | 673147004 | Needle position dial |
| 22 | 556196002 | Set screw |
| 23 | 366043008 | Pin |
| 24 | 322027000 | Spring |
| 25 | 802160009 | Dial base |
| 26 | 672101003 | Washer |
| 27 | 000030009 | Snap ring |
| 28 | 553092101 | Set screw |
| 29 | 802062000 | Twin needle stopper lever |
| 30 | 673173009 | Hinge screw |
| 31 | 102021109 | Set screw |
| 32 | 673172008 | Twin needle width reg. arm |
| 33 | 673259000 | Cam follower release rod |
| 34 | 000071013 | Washer |
| 35 | 000002105 | Snap ring |
| 36 | 673258009 | Cam follower release rod |
| 37 | 673260004 | Spring |
| 38 | 673174000 | Pin |



| REF. NO. | PART NO. | DESCRIPTION | REF. NO. | PART NO. | DESCRIPTION |
|----------|-----------|-----------------------|----------|-----------|--------------------------|
| 1 | 670143001 | Basic zigzag cam | 26 | 000002806 | Snap ring |
| 2 | 672062001 | Set screw | 27 | 673303000 | Cam follower holder |
| 3 | 802542009 | Zigzag mechanism unit | 28 | 672075007 | Spring |
| 4 | 802544001 | Cam drive shaft unit | 29 | 672086001 | Set screw |
| 5 | 802164003 | Ring | 30 | 672083008 | N.P. reg. arm |
| 6 | 802159005 | Gear | 31 | 672087002 | Spring |
| 7 | 802157003 | Gear | 32 | 672084009 | N.P. adjust. arm |
| 8 | 802543000 | Zigzag mechanism base | 33 | 673256007 | Cam follower release arm |
| 9 | 802158004 | Gear | 34 | 673309006 | Pin |
| 10 | 000068006 | Set screw | 35 | 532021001 | Nut |
| 11 | 802545002 | Bushing | 36 | 532147004 | Set screw |
| 12 | 672065004 | Gear | 37 | 553069006 | Set screw |
| 13 | 553233003 | Set screw | 38 | 802529000 | ZZ connecting rod unit |
| 14 | 672071003 | Hinge screw | 39 | 802116000 | ZZ connecting arm |
| 15 | 673143000 | Cam follower | 40 | 670151002 | Spring |
| 16 | 673305002 | Cam follower holder | 41 | 672090008 | Spring |
| 17 | 672070002 | Ring | 42 | 553143005 | Nut |
| 18 | 672069008 | Spring | 43 | 672093001 | Set screw |
| 19 | 672072004 | Washer | 44 | 672091009 | Stopper arm |
| 20 | 553143005 | Nut | 45 | 000001609 | Snap ring |
| 21 | 000002507 | Snap ring | 46 | 000070218 | Washer |
| 22 | 672080005 | Set screw | 47 | 102160008 | Set screw |
| 23 | 673144001 | Cam follower | 48 | 672088003 | Spring |
| 24 | 672079001 | Pin | 49 | 673170006 | ZZ adjust. rod |
| 25 | 672077009 | Spring | 50 | 000001506 | Snap ring |

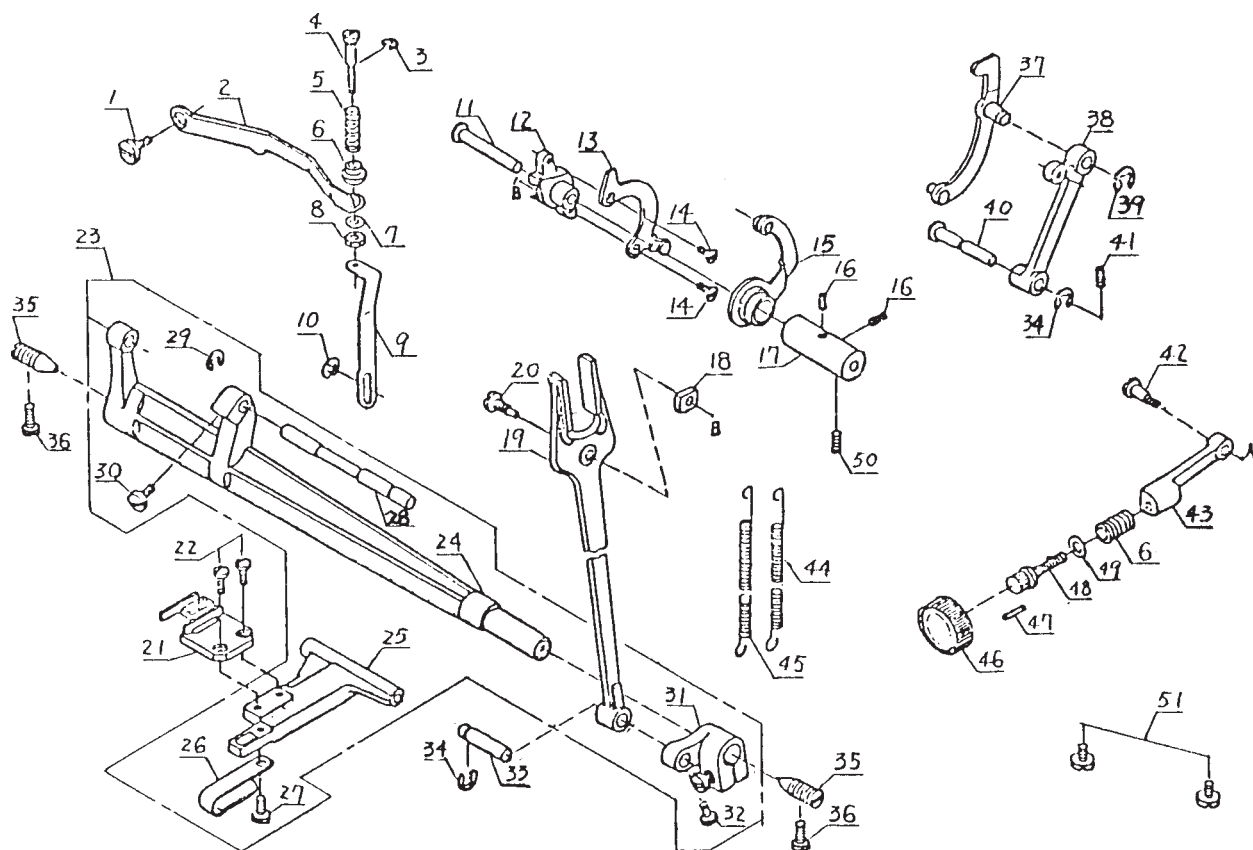


REF. NO. PART NO. DESCRIPTION

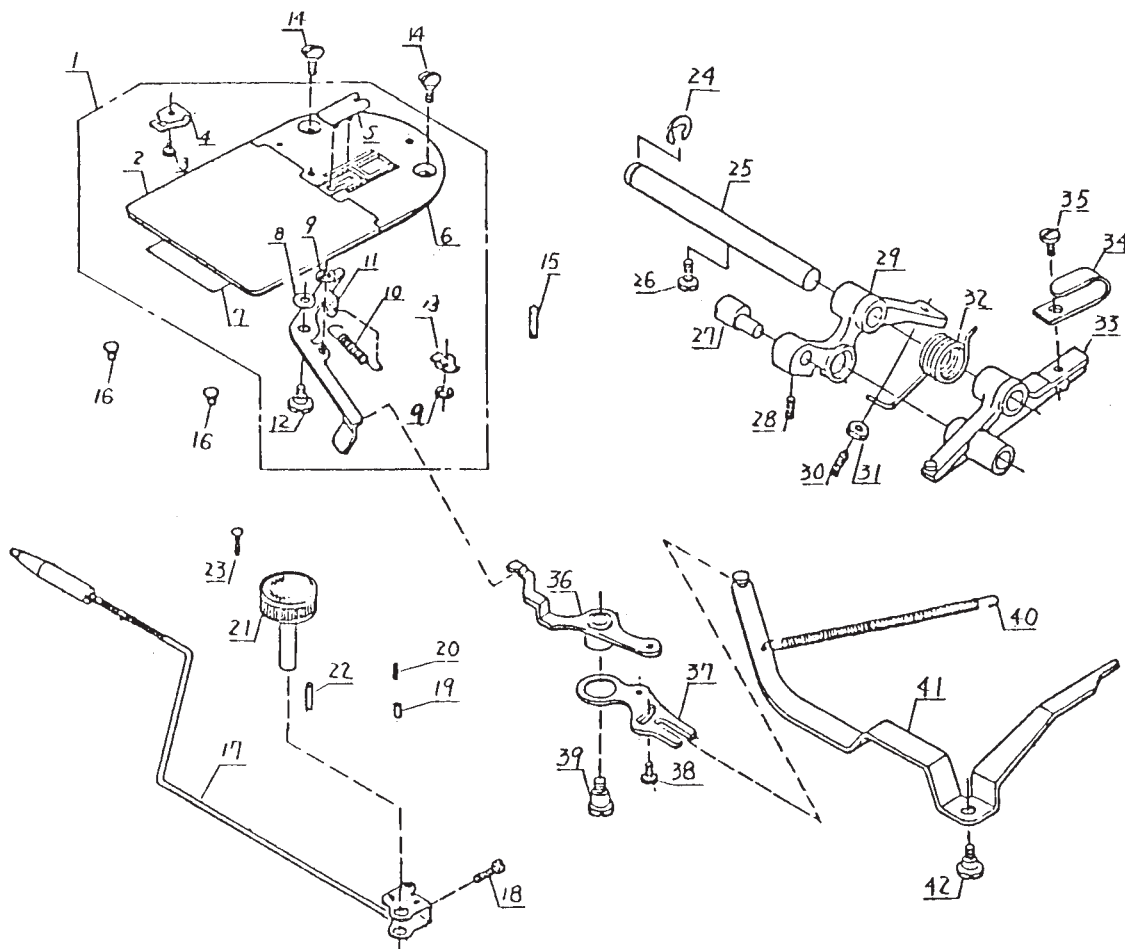
| | | |
|----|-----------|-------------------------|
| 1 | 802638003 | Dial lid unit |
| 2 | 802055000 | Dial lid |
| 3 | 802151007 | Ornamental plate |
| 4 | 553076006 | Nut |
| 5 | 670241000 | Set screw |
| 6 | 804021003 | ZZ lever release button |
| 7 | 802637002 | Stitch reg. frame unit |
| 8 | 802030205 | Stitch reg. frame |
| 9 | 556246008 | Bushing |
| 10 | 802505000 | Leading screw |
| 11 | 802033002 | Stitch length dial |
| 12 | 366043008 | Pin |
| 13 | 365059004 | Spring |
| 14 | 802054009 | Set screw |
| 15 | 804014003 | Dial stopper |
| 16 | 804015004 | Frame |
| 17 | 102144109 | Set screw |
| 18 | 802148001 | Number plate |
| 19 | 366050008 | Set screw |
| 20 | 802504009 | Zigzag lever set plate |
| 21 | 673139003 | Set screw |
| 22 | 802042004 | Spring |
| 23 | 802039008 | Zero feed adjst. screw |
| 24 | 667012000 | Washer |
| 25 | 802041003 | Washer |

REF. NO. PART NO. DESCRIPTION

| | | |
|----|-----------|-----------------------|
| 26 | 532021001 | Nut |
| 27 | 802044006 | Stopper |
| 28 | 802045007 | Spring |
| 29 | 802046008 | Hinge screw |
| 30 | 132041005 | Set screw |
| 31 | 532126007 | Nut |
| 32 | 802053008 | Spring |
| 33 | 804503004 | ZZ stopper plate unit |
| 34 | 804018007 | ZZ stopper plate |
| 35 | 804019008 | ZZ stopper claw |
| 36 | 000006800 | Washer |
| 37 | 591049008 | Set screw |
| 38 | 802049001 | ZZ adjust. plate |
| 39 | 802093000 | Spring |
| 40 | 802149002 | ZZ adjust. arm |
| 41 | 673268002 | Ring |
| 42 | 000002105 | Snap ring |
| 43 | 802150006 | Ring |
| 44 | 000016009 | C ring |
| 45 | 802047009 | Lever |
| 46 | 000110107 | Hexagon socket screw |
| 47 | 673135009 | Spring |
| 48 | 802096003 | Tube |



| REF. NO. | PART NO. | DESCRIPTION | REF. NO. | PART NO. | DESCRIPTION |
|----------|-----------|--------------------------|----------|-----------|--------------------------|
| 1 | 672115000 | Hinge screw | 26 | 673106001 | Spring |
| 2 | 673156006 | Buttonhole feed reg. arm | 27 | 102021109 | Set screw |
| 3 | 000001207 | Snap ring | 28 | 673107002 | Pin |
| 4 | 589039008 | Feed adjust. screw | 29 | 000001506 | Snap ring |
| 5 | 589040002 | Spring | 30 | 532101006 | Set screw |
| 6 | 560197006 | Spring holder | 31 | 673522007 | Feed rock shaft arm unit |
| 7 | 000071013 | Washer | 32 | 102205006 | Set screw |
| 8 | 532126007 | Nut | 33 | 673103008 | Pin |
| 9 | 801010000 | Rod | 34 | 000001702 | Snap ring |
| 10 | 000000309 | Snap ring | 35 | 532030003 | Screw center |
| 11 | 673097008 | Pin | 36 | 000100506 | Set screw |
| 12 | 673094005 | Feed regulator | 37 | 673158008 | SS feed reg. arm |
| 13 | 673095006 | Feed reg. arm | 38 | 673159009 | Holder |
| 14 | 534042004 | Set screw | 39 | 000001609 | Snap ring |
| 15 | 673096007 | Feed reg. arm | 40 | 673160003 | Pin |
| 16 | 000111201 | Hexagon socket screw | 41 | 553137006 | Set screw |
| 17 | 673098009 | Bushing | 42 | 673168001 | Hinge screw |
| 18 | 102141003 | Slide block | 43 | 673167000 | Rod |
| 19 | 673093004 | Feed forked rod | 44 | 673099000 | Spring |
| 20 | 553036004 | Pin | 45 | 673100005 | Spring |
| 21 | 673105103 | Feed dog | 46 | 802641009 | Feed balancing dial |
| 22 | 761056104 | Set screw | 47 | 000003508 | Spring pin |
| 23 | 673534002 | Feed rock shaft unit | 48 | 673162005 | Feed balance lead screw |
| 24 | 673101006 | Feed rock shaft | 49 | 000071116 | Washer |
| 25 | 673104009 | Feed bar | 50 | 000082305 | Set screw |
| | | | 51 | 681008007 | Set screw |

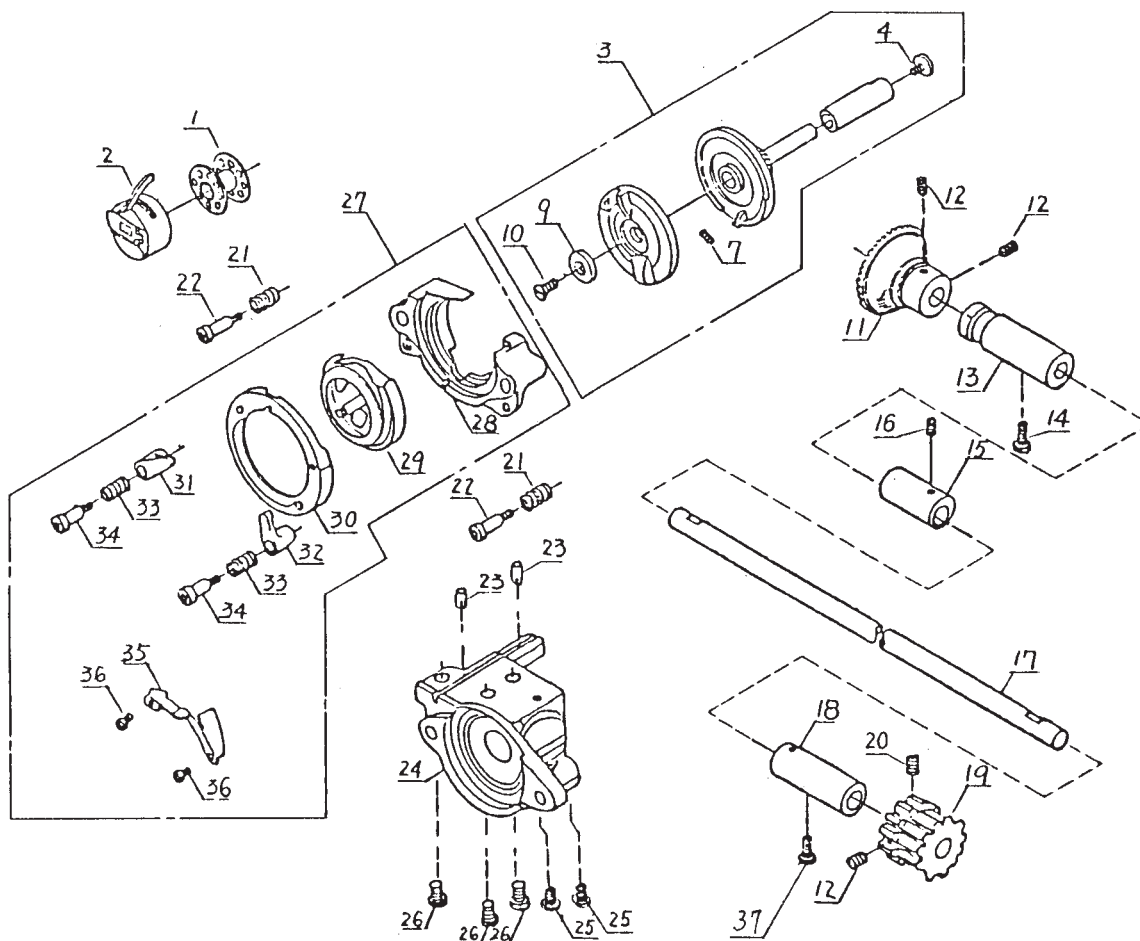


REF. NO. PART NO. DESCRIPTION

| | | |
|----|-----------|-------------------------------|
| 1 | 802517005 | Needle plate unit |
| 2 | 673053002 | Shuttle cover plate |
| 3 | 553264003 | Set screw |
| 4 | 553263002 | Spring |
| 5 | 673054003 | Needle hole change over plate |
| 6 | 673052001 | Needle plate |
| 7 | 100006009 | Sticker |
| 8 | 000070300 | Washer |
| 9 | 000002301 | Snap ring |
| 10 | 673059008 | Spring |
| 11 | 673056005 | Lever |
| 12 | 673058007 | Hinge screw |
| 13 | 673055004 | Washer |
| 14 | 681009008 | Set screw |
| 15 | 670235001 | Oil wick |
| 16 | 804069003 | Cushion |
| 17 | 802524005 | Plunger unit |
| 18 | 673287007 | Set scrw |
| 19 | 366043008 | Pin |
| 20 | 693046004 | Spring |
| 21 | 802636001 | Drop feed knob |
| 22 | 000003508 | Spring pin |
| 23 | 102010002 | Pin |
| 24 | 000001702 | Snap ring |
| 25 | 673050006 | Pin |

REF. NO. PART NO. DESCRIPTION

| | | |
|----|-----------|----------------------------|
| 26 | 000100506 | Set screw |
| 27 | 813107002 | Eccentric pin |
| 28 | 000111304 | Hexagon socket screw |
| 29 | 673111009 | Feed lift adjust. arm |
| 30 | 680038003 | Stopper screw |
| 31 | 553088001 | Nut |
| 32 | 673112000 | Spring |
| 33 | 673109004 | Feed lift arm |
| 34 | 673300007 | Spring |
| 35 | 102021109 | Set screw |
| 36 | 673122014 | Needle plate reg. arm |
| 37 | 673123015 | Needle plate adjust. plate |
| 38 | 102021109 | Set screw |
| 39 | 682001003 | Hinge screw |
| 40 | 673121002 | Spring |
| 41 | 673119007 | Lever |
| 42 | 810439007 | Hinge screw |



REF. NO. PART NO. DESCRIPTION

| | | |
|----|-----------|---------------------|
| 1 | 102115008 | Bobbin |
| 2 | 810520006 | Bobbin case unit |
| 3 | 673521109 | Shuttle driver unit |
| 4 | 673081009 | Lid screw |
| 5 | ----- | ----- |
| 6 | ----- | ----- |
| 7 | 673214003 | Spring |
| 8 | ----- | ----- |
| 9 | 673215004 | Washer |
| 10 | 365032001 | Set screw |

| | | |
|----|-----------|----------------------|
| 11 | 673078003 | Lower shaft gear |
| 12 | 000110107 | Hexagon socket screw |
| 13 | 673075000 | Bushing |
| 14 | 000100506 | Set screw |
| 15 | 673108003 | Feed lift cam |

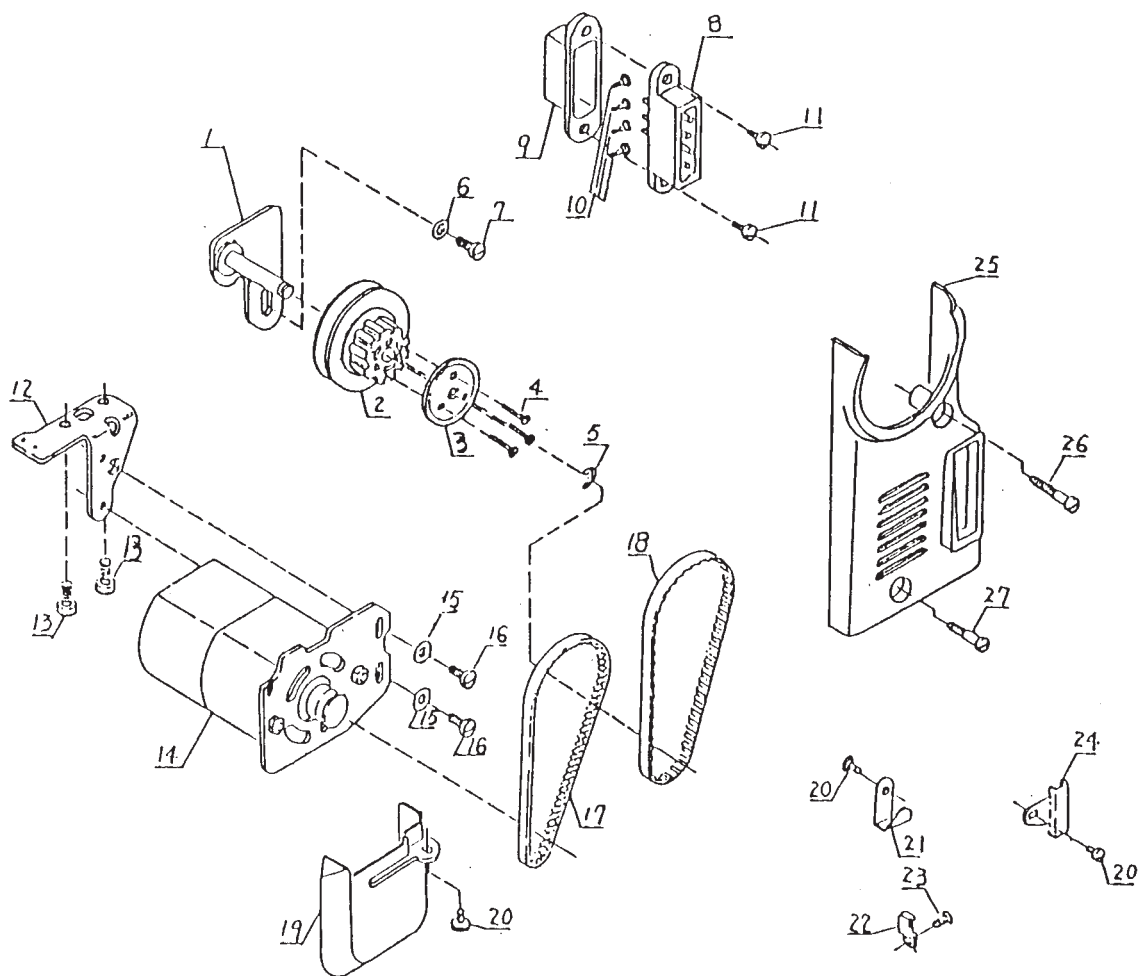
| | | |
|----|-----------|----------------------|
| 16 | 102063000 | Set screw |
| 17 | 673074009 | Lower shaft |
| 18 | 673076001 | Bushing |
| 19 | 801019009 | Timing gear |
| 20 | 000111304 | Hexagon socket screw |

REF. NO. PART NO. DESCRIPTION

| | | |
|----|-----------|-------------------|
| 21 | 673205001 | Spring |
| 22 | 673294007 | Hinge screw |
| 23 | 673083001 | Pin |
| 24 | 673082000 | Shuttle race base |
| 25 | 102205006 | Set screw |
| 26 | 000101301 | Set screw |
| 27 | 673505004 | Shuttle race unit |
| 28 | 673084002 | Shuttle race body |
| 29 | 673091002 | Shuttle hook |
| 30 | 673085003 | Race ring |

| | | |
|----|-----------|-------------|
| 31 | 574046002 | Clasp (L) |
| 32 | 574047003 | Clasp (R) |
| 33 | 532184003 | Spring |
| 34 | 673290003 | Hinge screw |
| 35 | 673086004 | Spring |

| | | |
|----|-----------|----------------------------|
| 36 | 673087005 | Set screw |
| 37 | 000100506 | Set screw (240V) |
| | 000083007 | Set screw (Double voltage) |



REF. NO. PART NO. DESCRIPTION

| | | |
|----|-----------|---------------------------------|
| 1 | 673185004 | Idler base |
| 2 | 673186005 | Idler |
| 3 | 673187006 | Flange |
| 4 | 000075202 | Set screw |
| 5 | 000001702 | Snap ring |
| 6 | 553225002 | Washer |
| 7 | 338044002 | Set screw |
| 8 | 673526207 | Machine socket (240V) |
| | 673541002 | Machine socket (Double voltage) |
| 9 | 673194006 | Machine socket cover |
| 10 | 000078105 | Set screw |
| 11 | 672062001 | Set screw |
| 12 | 673191003 | Motor mounting plate |
| 13 | 000100702 | Set screw |
| 14 | 021680212 | Motor (240V) |
| 14 | 022980115 | Motor (Double voltage) |
| 15 | 000071116 | Washer |

REF. NO. PART NO. DESCRIPTION

| | | |
|----|-----------|-----------------------------|
| 16 | 801007004 | Hinge screw |
| 17 | 000088002 | Motor Belt (240V) |
| | 000088002 | Motor belt (Double voltage) |
| 18 | 673189008 | Synchro belt |
| 19 | 804068013 | Exhaust cover |
| 20 | 000077503 | Set screw |
| 21 | 804077004 | Cord set plate |
| 22 | 804078005 | Cord set plate |
| 23 | 681009008 | Set screw |
| 24 | 673200017 | Cord set plate |
| 25 | 673175126 | Belt cover |
| 26 | 673176002 | Set screw |
| 27 | 338005001 | Set screw |

STANDARD ACCESSORIES AND ATTACHMENTS

| | | |
|-----|-------------|--|
| 4 | 102115008 | Bobbin |
| 1 | 102401004 | Oiler with oil |
| 2 | 102403109 | Felt |
| 1 | 102420009 | Cloth guide |
| 1 | 366401400 | Accessory box |
| 1 | 366412002 | Screwdriver (large) |
| 1 | 366413003 | Screwdriver (small) |
| 1 | 560406001 | Seam ripper |
| 1 | 802400509 | Instruction book (JANOME brand) |
| (1) | 802400602 | Instruction book (Unbranded) |
| 1 | 802401005 | Hemmer foot (F) |
| 1 | 802403007 | Cording foot (C) |
| 1 | 802406000 | Button sewing foot (D) |
| 1 | 802411008 | Applique foot (B) |
| 1 | 802413000 | Zipper foot (H) |
| 1 | 802416003 | Chain stitch foot (K) |
| 1 | 802418005 | Overlock foot (I) |
| 1 | 802421001 | Blind stitch hem guide |
| 1 | 802422002 | Quilting guide |
| 1 | 802424004 | Lint brush |
| 1 | 802449005 | Reference chart |
| 1 | 802454003 | Set of pattern cams (No. 1-24) |
| 1 | 802466008 | Set of pattern cams (No. S1-16 & E1-4) |
| 1 | 811413008 | Buttonhole foot (E) |
| 1 | 801407008 | Chain stitch looper unit |
| | 1-801416000 | Looper case |
| | 1-801423000 | Chain stitch looper |
| 1 | 811419004 | Set of needles |
| | 1-802430003 | Needle case |
| | 2-102408056 | Needle, No. 11 |
| | 1-102408089 | Needle, No. 14 |
| | 1-813404013 | Blue tip needle |
| | 1-804414007 | Twin needle (wide) |
| | 1-609402001 | Twin needle (narrow) |